

SONY



Corporate & education solutions range guide

September 2017

www.pro.sony.eu

The Sony Solution

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The Sony Solution

When it comes to professional AV technology, Sony provides much more than just great products - **we create solutions.**

Complete solutions that make visual communications and knowledge sharing even smarter and more efficient.

We empower all kinds of organisations with advanced audio-visual tools that help them go further. Solutions designed for every industry and sector, from schools to universities, small business to big business, retail to automotive and more.

Solutions like our Laser Light Source Projectors that deliver powerful images with virtually no maintenance. Our Collaboration solution that takes active learning and sharing material to new levels. Our BRAVIA Professional Displays that enable dynamic digital signage. And our desktop and portable projectors that provide uncompromised quality with low ownership costs for businesses and education.

Whatever size the organisation, whatever the requirement, we have the perfect solution. And always with our full support.

For full product features and specifications please visit pro.sony.eu

TEOSManage

Complete Control

Intelligent workspaces
by design

KEY FEATURES

- Total control over devices, content and playout schedules
- Easy, intuitive operation
- Compatible with IP display devices from any manufacturer*
- Deploy on-premises or in the cloud**
- Scalable and cost-effective

Manage all your networked displays

Enjoy a dashboard-style global overview, summarising devices, rooms and locations, activity status, green management settings and any device issues.

Scheduled playout

Push images, pictures, videos, signage and other content to individual devices, zones or across the whole network. It's easy to manage and review playout schedules, ensuring the right content is always displayed on the right screen at the right time.

Group devices by location

Control, monitor and update displays, grouping them by building, floor or area. Adding more devices is easy with the auto-discover function.

Integrated room bookings

TEOS Manage integrates smoothly with your room bookings system. Information from Microsoft Office® 365, Microsoft Exchange Server® or Google® Calendar can be displayed in each room, with a choice of attractive templates.

Managing, scheduling and monitoring content that's displayed on all your networked screens and projectors can be a challenge for any organisation.

TEOS Manage streamlines the control and maintenance of connected devices and content in boardrooms, meeting rooms, offices, public areas and other locations.

Monitor status via a friendly dashboard-style interface. Group devices by location for easy management. Schedule content playout, and even create impressive digital signage in minutes. Integrate screens to your centralised bookings system to display meeting schedules in each room. Pinpoint issues with any device that isn't working.

With TEOS Manage, you're in complete control of all your devices and content – all the time.



Get device alerts

See operating status of all display devices, and receive alerts when any networked device stops working.

Wide device compatibility

TEOS Manage is compatible with virtually any IP-enabled device – including display screens, projectors and tablets – from Sony as well as other manufacturers.

Easily create digital signage

Create colourful, eye-catching signage and distribute instantly across networked screens. Combine text, images, graphics, video, news feeds, social media and web content using friendly templates.

Send emergency alerts

Manage emergency events by pushing urgent alert notifications to all connected displays – such as instructions on finding the closest fire exit.

Green management settings

Schedule on and off times to save energy when devices aren't required, for example at evenings or weekends.

Cloud or on-site local deployment

Cloud-based deployment** gives the flexibility of 'anytime, anywhere' access. Alternatively, deploy TEOS Manage locally for enhanced security.

Complete device management solution

TEOS Manage can be controlled by just one person, reducing the need for extra staff and giving a single point of contact for support. Functionality can also be granted to additional users through admin rights.



* On demand ** Cloud availability Autumn 2017

Facility management	Number of sites/rooms	No limitation
	Statistics	Yes
	Alerts	Yes
Control	IP Control	Yes
	Scheduling	Yes
	Sony compatibility	Professional BRAVIA, projectors, tablets*
Meeting room	Other brands compatibility	Yes, on demand
	Calendar compatibility	Google Calendar, Microsoft Exchange, Office 365
	Customizable background	Yes
	Customizable inputs titles	Yes
Signage	Lockable secured interface	Yes
	Scheduling	Yes
	Content creation	Yes
	Main functions	Facebook®, Instagram®, Twitter®, Youtube®, Websites, Interactive content, Powerpoint, streamings, weather report, RSS feeds
	Picture format	BMP, JPG, GIF, PNG
	Video format	AVI, MPG, WMV, H264
	Sound format	WAV, MP3, streaming
	Monitoring	Mail, SMS
Server	Content creation elements	Text element, image element, video element, graphics element, TV element, website element, ticker element, date and time element, Youtube element and audio stream element.
	Server pre-requisites	Windows server 2008R2 or above IIS Net framework 4.5 MSSQL Server 40GB of available space
Licenses	TEM-SRV100	Local server software
	TEM-CO10	License for simple control use
	TEM-MR10	License for meeting room use
	TEM-DS10	License for signage use
Service options	PSP.CE.TDM.TRAIN.1	On-demand on-site training 1 day
	PSP.CE.TDM.INIT.1	On-demand on-site installation 1 day
	PSP.CE.TDM.SITE.1	On-demand on-site support 1 day
	PSP.CE.TDM.CUST.1	On-demand custom development 1 day

PrimeSupport Pro



Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. This product comes with a year's PrimeSupportPro initial package which gives you access to our multilingual helpdesk and for each TEM license, includes software upgrades and telephone assistance from our product specialists.

PrimeSupportPro			
Service reference	PSP.TEM100.1X	PSP.TEM100.2X	PSP.TEM100.4X
Screen type & size	Covers 1 license (TEM-CO10, TEM-MR10 or TEM-DS10) for TEM-SRV100 server Software		
Duration	1 year	2 years	4 years

Working together



Collaboration Solutions

Enhance teaching, learning and business communications with these intuitive, cost effective solutions for real-time knowledge sharing and workgroup-focused collaboration.

Vision Exchange

Inspire and engage with our interactive workgroup-based active learning solution for universities, colleges and corporate meeting rooms.

Share and learn

Let workgroups share multimedia presentation content, bringing in other participants at remote locations to join the discussion as needed.

Get everyone involved

Students and teams can collaborate in small workgroups, connecting wirelessly to a shared network with their own laptops, tablets or mobile devices. Lecturers or team leaders can interact and control each workgroup connection, using on-screen annotation tools and digital tags to help learning – all displayed via BRAVIA Professional Displays or projectors.

Vision Presenter

Intuitive, easy to use Vision Presenter is the complete solution for dynamic multimedia presentations. It's the perfect way to enhance audience engagement and bring your presentations to life.

Create captivating displays

Sony's powerful projection and camera technology are united with a simple user interface that lets presenters create truly captivating presentations. Share a wide range of content sources – from video and live web feeds to PowerPoint slides - with a huge variety of layout options.

Show all kinds of content

You're in control of multiple input sources including cameras, PCs, video conferencing systems, USB flash drives, DVD and Blu-ray players, PlayStation4™, smartphones, tablets and PCs.

PrimeSupport



PrimeSupport On-Demand

Support for our Collaboration Systems is available with **PrimeSupportOn-Demand**. One working day (**PSP.CE.INITDAY.1**), initial solution setup (**PSP.CE.TRAINDAY.1**), training delivery (**PSP.CE.ONSITEDAY.1**) or maintenance. We can also deliver resource to adapt the solutions to your requirements (**PSP.CE.CUSTOMDAY.1**) Scope of work must be agreed before intervention.

PrimeSupportPro

Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if you do need repairs, we'll organise things quickly and efficiently, with free shipping and no hidden costs.

PrimeSupportElite

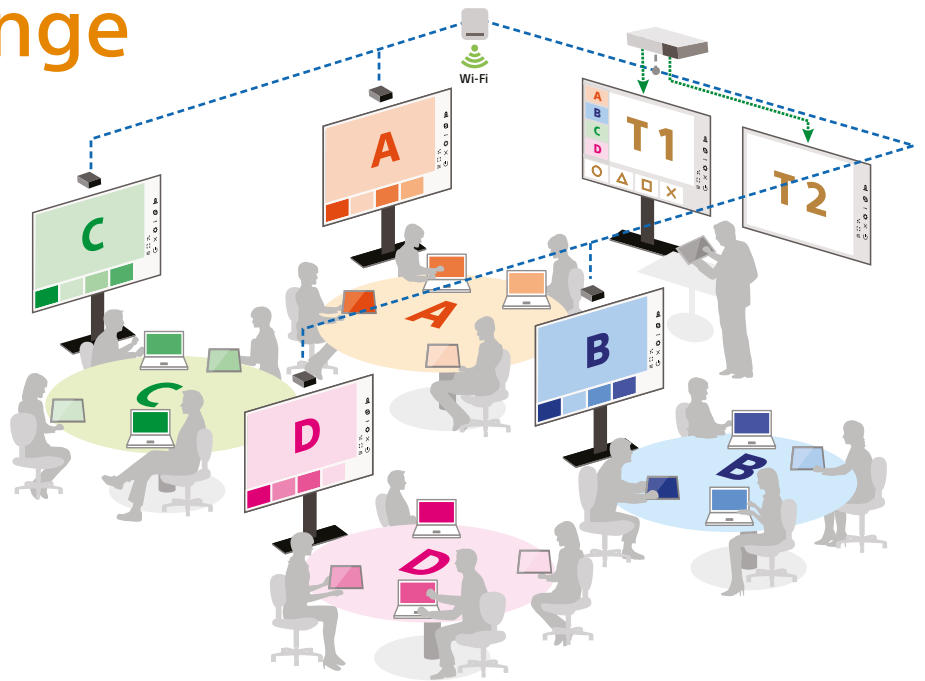
If you're looking for even more peace of mind, upgrading to **PrimeSupportElite** could be the option for your business. We'll keep you up and running with our fast-track repair service that includes all shipping costs. And – depending on your product – we may offer to loan a replacement unit* while yours is being repaired. For certain models we now offer an Advanced Replacement extension where we will ship out a replacement model within 48 hours.

PrimeSupportBespoke

Everybody's business is different. A selected number of our products are also eligible for **PrimeSupportBespoke**, and **PrimeSupportOn-Demand**, tailored solutions for organisations with the most demanding requirements for service and support. With options like next working day spares and on-site technical assistance, there's no better choice when dependable performance of your AV communications infrastructure is most crucial.

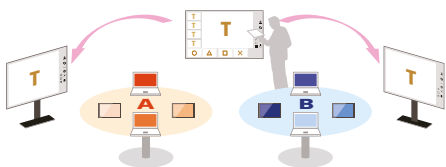


Vision Exchange



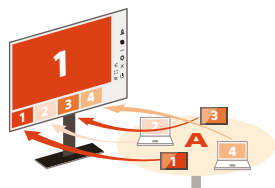
Active Learning class workflow

Share to class



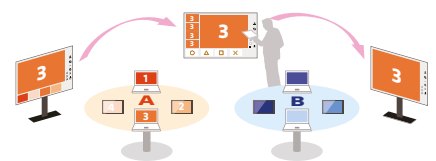
- Easy sharing for teacher's materials (laptop/tablet images, documents, camera, HDMI inputs, etc.)
- Any image on the main view will be shown to all work group POD displays in full screen when "Pod share" button is pressed

Active group discussion



- Any student can easily mirror their BYOD content. Enhance discussion by simple switching, annotation/digital tag whiteboard mode
- Teacher can monitor and select any group's information, then share to all other group screens

Present and feedback



- Quickly drag & drop to share anyone's screen
- Promptly reflect teacher or student comments with annotation to feedback

The dynamic, collaborative Active Learning Solution

Vision Exchange is the uniquely powerful and intuitive active learning solution that brings together students, lecturers and presenters. Ideal for knowledge sharing and brainstorming ideas, this immersive environment boosts audience engagement by directly involving everyone in the learning process. Cost-effective, flexible and easy to configure, Vision Exchange is ideal for universities and colleges as well as corporate conference rooms.

Easily share knowledge and ideas

Vision Exchange lets presenters and lecturers easily share information, with the freedom to move around the teaching space in a truly active learning environment. Information can be shared from teacher to student, student to teacher, or through active collaboration with workgroup sharing.

Collaboration with any device

Vision Exchange is created for today's BYOD (Bring Your Own Device) classrooms and lecture theatres. Students can work collaboratively in small independent workgroups or clusters, creating content with their own tablets, laptops and smartphones to share wirelessly with other group members, workgroups and lecturers.

Annotation and whiteboard tools

Lecturers can enhance their presentations with easy-to-use annotation tools: draw and sketch to emphasise what's on screen, or bring up the whiteboard with handy digital tags.

Active learning (optional license)

Adding an optional active learning license lets students 'mirror' their own devices and share content with other groups in the room or on the main presentation screen via simple drag-and-drop gestures under the lecturer's control.

Easy video collaboration (optional license)

Video collaboration allows workgroups to connect with other sites using standards-based traditional videoconference systems, with overlaid annotations or whiteboard images for even more effective communication.

Streaming output (optional license)

Stream content from the main view to a central server for lecture capture, recording or live distribution.

Scalable and cost effective

Vision Exchange provides a dynamic and flexible solution to suit any teaching space. It's easy and cost effective to expand Vision Exchange by adding further active workgroup 'pods'.

Main room collaboration system			
Vision Exchange platform	HDMI x2 input, including 1 year software update		PEQ-C100
Vision Exchange platform	HDMI x 4 input, including 1 year software update		PEQ-C130
Software option 1	Active learning connection		PEQA-C10
Software option 2	Video collaboration		PEQA-C20
Software option 3	Streaming output		PEQA-C30
Workgroup Active Learning system			
Pod PC software (mini PC not provided)	Active learning software, including 1 year software update		PES-C10
Software Upgrade Program (SUP) options			
Additional 1 year software update	For PEQ-C100 and C130		PEQ-C1SU
Additional 1 year software update	For PES-C10		PES-C1SU

PrimeSupport Elite

Our **PrimeSupportElite** packages go beyond standard levels of warranty with various optional upgrades available. With Advanced Replacement and logistics included as standard, we'll always keep you up and running[†].

Products	PrimeSupportElite			
	PEQ-C100		PEQ-C130	
Service reference	Included service PS.PACK4.ADVEXCH.1	PSP.PEQC100.E1X	Included service PS.PACK4.ADVEXCH.1	PSP.PEQC130.E1X
Scope of support	Hardware	Hardware	Hardware	Hardware
Duration	1 year	1 year extension	1 year	1 year extension

For full product specifications and features please visit
pro.sony.eu/installation

Monument Valley Tribal Park



Crystal



Sandstone



Ammonite



Marble



Land's End



Tectonic Plate Boundaries



Vision Presenter





More engaging, inspiring presentations

Put an end to dull, uninspiring presentations and lectures. Vision Presenter lets you effortlessly combine a wide range of multimedia sources to create big, bold, dynamic presentations. Blend 4K video, live camera sources, PowerPoint® presentations and web content. Choose from a huge range of screen layout options to engage and inspire your audience like never before.

Bring all your content to life

Simultaneously combine live video sources, PC files and PowerPoint slides. Drag any content source to the live viewing screen – everything's controlled effortlessly with your Android tablet or a wireless mouse. Vision Presenter's friendly interface lets you spontaneously select, maximise, re-arrange or hide video sources, with no wires holding you back.

Your content, your way

Connect one or more projectors or display screens. Pick from a choice of presentation modes: single screen, 4K screen, dual screen or triple screen. Edge-blend two projectors to create supersize images that fill a large conference room or lecture theatre with jaw-dropping visual impact. Lay out your ideas the way you want to with a choice of pre-installed layout templates.

Integrate video communications

Use Vision Presenter in combination with a videoconferencing system and enable presentation sources to be shared remotely. Users can connect to or from a distant site, sharing and viewing content at Full HD resolution.

A world of applications

Enhance lectures with a seamless blend of complementary AV resources. Impress employees, customers and partners with a dynamic mix of slide presentations, video, sales charts and live video. Add sparkle to galleries, museum exhibitions and visitor attractions. Work smarter and more collaboratively by sharing design drawings, CAD renderings, sales data or key project information.

Features

Number of simultaneous video playback	5 x Full HD
Layout configuration	Preinstalled layout templates (6 templates for 4K/HD screen, 13 templates for blending projector screen, 11 templates for x2/x3 separate screen)
Playable content	<ul style="list-style-type: none"> • Still Image: JPG, GIF, PNG, BMP • Native control movie file: MP4 & MOV (H.264/AAC) • Other Document File: PPT, XLS, Word, PDF, WMM, MOV etc • Web: Website, FLASH
Live video input	<ul style="list-style-type: none"> • Capture card (x2) e.g., 3G-SDI (x4) + HDMI (x2) or HDMI (x2) + HDMI (x2) • Wi-Fi Mirroring • Remote Camera (IP) • Supporting HDMI HDCP • Supporting PTZ control
Output*2	<ul style="list-style-type: none"> • Video: DVI or DisplayPort or HDMI (Up to 4K/60P 8-bit 4:2:0) • Audio: PC Line Out, HDMI Embedded Audio
Video playback control	<ul style="list-style-type: none"> • Still Image Slideshow • Pause/Play • Loop Play
Remote control	<ul style="list-style-type: none"> • Mouse (Wired, Wireless) • Tablet Control (Android, iOS) • PC/MAC (Chrome/Safari) • Integrates with third party gesture control or control systems.

Vision Presenter kitted system

PWA-VP100K1	4x HDMI input with HDCP support	4x Display output (>3 audience displays plus 1 secondary output for recording or streaming)
PWA-VP100K2	8x 3G-SDI input	4x Display output (>3 audience displays plus 1 secondary output for recording or streaming)
PWA-VP100K3	2x HDMI input with HDCP support plus 4x 3G-SDI Input	4x Display output (>3 audience displays plus 1 secondary output for recording or streaming)

*1 Installation of Microsoft Office programs are required for native presentation animation support and other office files to be opened. Alternatively connect presentation PC to HDMI input when either animation is required or native programs to be supported. For better image quality, higher-resolution files are recommended. | *2 Output interface varies by graphic cards.

PrimeSupport Pro

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PrimeSupportPro				
Products	PWA-VP100	PWA-VP100K1 / PWA-VP100-K2 / PWA-VP100-K3		
Service reference	Included service PS.VISIONPRES.1	PSP.VPHPBOSO.3		PSP.VPHPBOSO.5
Scope of support	Software & Hardware	Software	HP hardware server support	Software HP hardware server support
Duration	1 year	2 year extension		4 year extension

For full product specifications and features please visit
pro.sony.eu/installation



Cinnabar Red

The hear on headphones combine premium High Resolution Audio quality with striking design and long listen comfort.

-  High Resolution Audio compatible
-  Smartphone compatible with inline remote mic
-  1.57" HD driver unit for dynamic range

Touchscreen models:

PT-1243-IR10
PT-1249-IR10
PT-1255-IR10
PT-1265-IR10
PT-1275-IR10
PT-1185-IR10

The total touchscreen solution with BRAVIA Professional Displays

Our touchscreen overlay solution is compatible with a wide range of BRAVIA 4K Professional Display models. Custom screen bezel colours and other options can also be specified* for a totally bespoke solution to suit every environment.

Engage audiences with a touch

Transform your BRAVIA Professional Display into a super-size touch enabled interactive terminal.

Responsive, accurate multi-touch performance

Audience engagement is right at your fingertips. Customers can't keep their hands off these big, beautiful screens: 10 multi-touch IR points ensure accurate, lag-free performance across the entire display area.

Wide range of screen size options

Go as large as you like. There's a full range of touch-enabled BRAVIA Professional Display solutions in screen sizes from 43" right up to 85" – all offering fabulous contrast, rich colours and exquisite detail in 4K.

Big audience appeal, low running costs

Powered by direct USB connection, the energy-efficient touch overlay keeps running costs down.*

In touch with your customers everywhere

Touch-enabled BRAVIA Professional Displays are ideal for a wide range of interactive signage and information kiosk applications – from schools, universities, museums, libraries, boardrooms and offices to hotel lobbies, hospitality zones, retail stores and visitor attractions.

Looks great in every light

The screen overlay's tough anti-glare surface ensures optimum visibility, even in the sunniest environments.

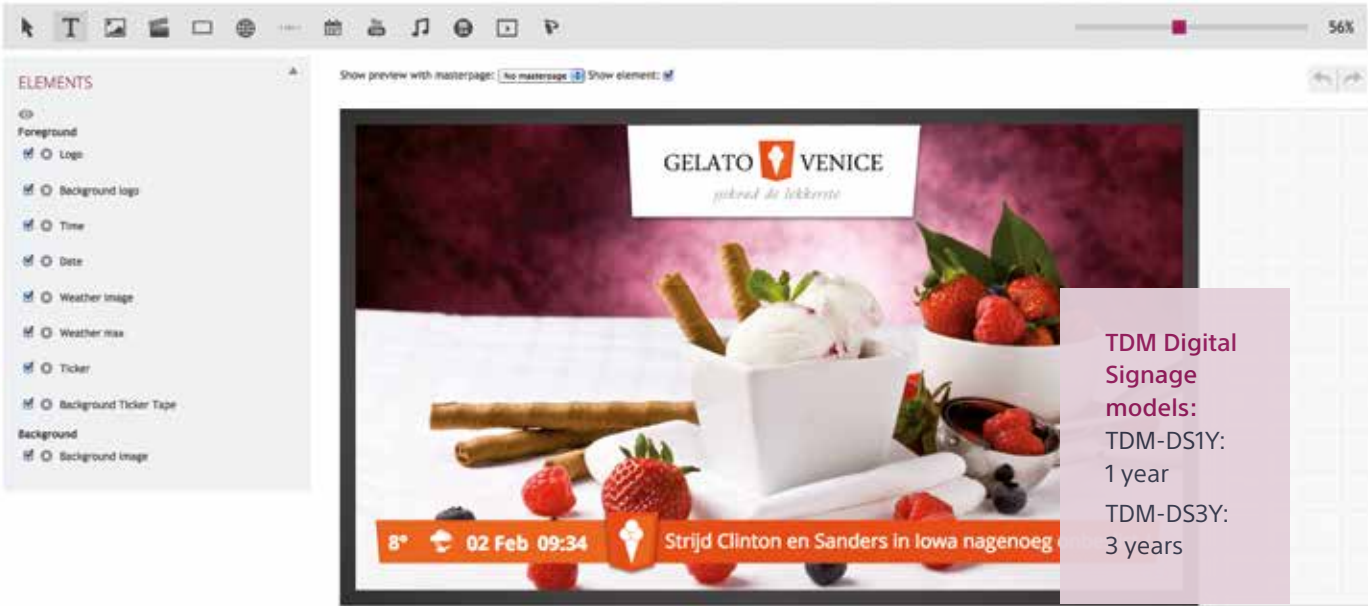
Quick and easy to install and set up

Simple, fuss-free installation and set up allows deployment of your interactive touchscreen solution in minutes.

* Custom options at additional cost. BRAVIA display is powered separately.

TEMPLATE: EXAMPLE-TEXT

Name: example-text Resolution: Full HD (1920 x 1080) [SAVE] [RIGHTS] [EXPORT TEMPLATE]



TDM Digital Signage models:
TDM-DS1Y: 1 year
TDM-DS3Y: 3 years

TDM Digital Signage

Inspire customers with affordable, effective digital signage

Operate your screens from a centralised or decentralised location with the content you want – anytime and anyplace. You can now do it all with our new generation of digital signage software.



Multiple screens and locations simultaneously

You can place content both centrally and decently on a single or even a cluster of screens from one operating system



Alerts

Possibility to send alerts centrally



RSS feeds

Keep up on all the latest news, weather forecasts, traffic reports and stock market information



Show images

Show your favourite images via a media library



Show websites

Ability to show websites



Interactive

Possibility to show specific content based on an action



Streaming video

YouTube, Vimeo, RTSP. It is even possible to show parts of videos



Social media

Feeds from e.g. Twitter, Facebook and LinkedIn



Live statistics

Based on emotion detection

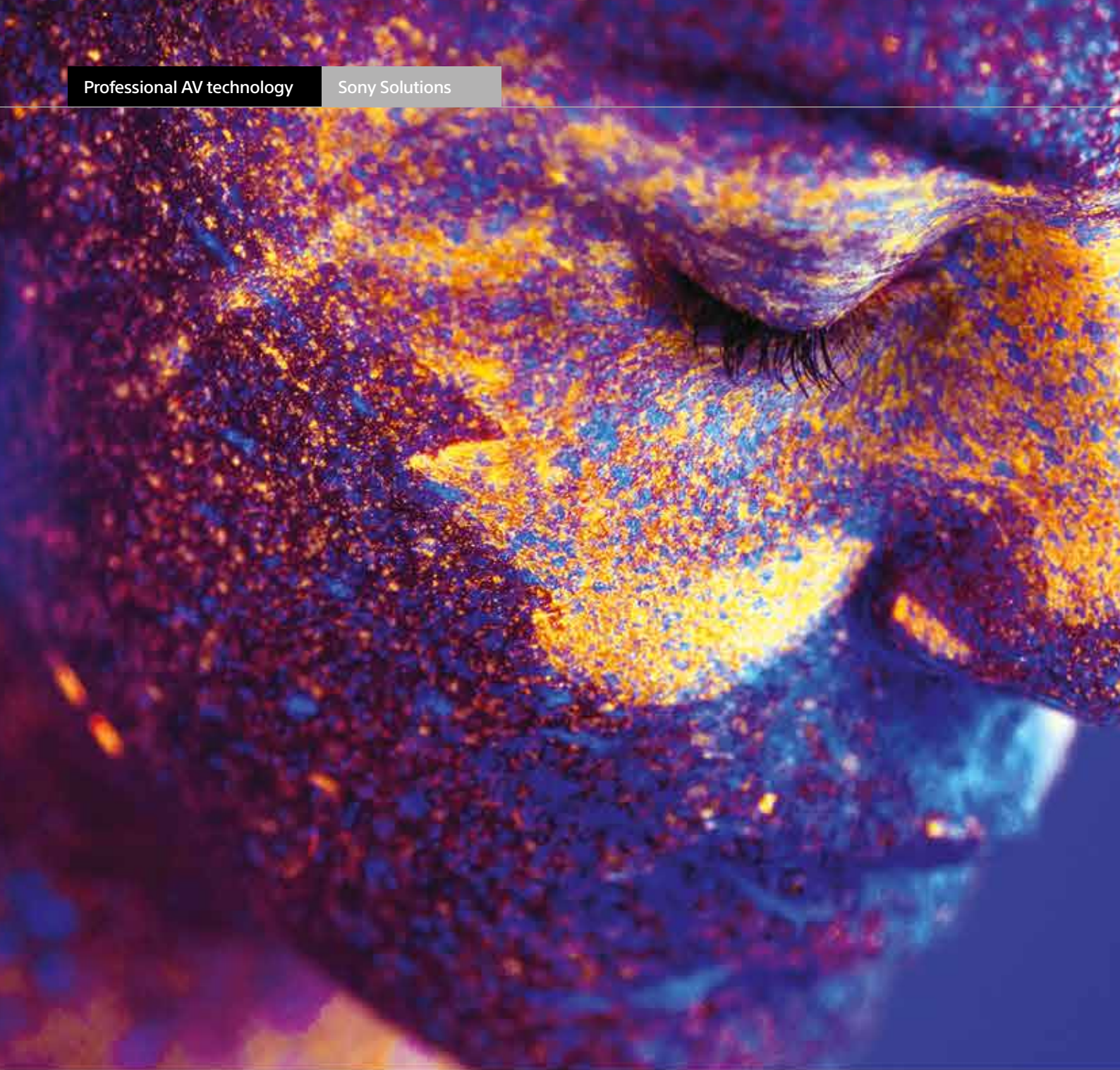
TDM Digital Signage is developed for **SONY**



PrimeSupport On-Demand

PrimeSupport Elite

Support for TDM Digital Signage is available with **PrimeSupportOn-Demand**. One working day (PSP.CE.TDM.INIT.1), initial solution setup (PSP.CE.TDM.TRAIN.1), training delivery (PSP.CE.TDM.SITE.1) or maintenance. We can also deliver resource to adapt the solution to your requirements (PSP.CE.TDM.CUST.1) Scope of work must be agreed before intervention. Support is also available with **PrimeSupportElite**. 24/7 remote support performed by TDM, covers 1 TDM license for BRAVIA monitors, 1 year (PSP.TDM.RMT.24-7.1), 3 years (PSP.TDM.RMT.24-7.3).



A blank canvas comes to life

Crystal LED

Display System

The ultimate big-screen display solution,
delivering ultra-real visual experiences
on virtually any scale.

A blank canvas comes to life. Crystal LED turns the world's biggest ideas into thrilling visual reality – from automotive and industrial product design, theme parks, museums and galleries to corporate lobbies, boardrooms and broadcast studios.

For full product specifications and features please visit
pro.sony.eu/Crystal-LED

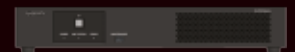


- Spectacularly immersive high-contrast images with unprecedented depth and detail
- Crystal clarity, with no image artefacts or picture noise
- Exceptionally wide viewing angle, with no colour shift from any viewpoint
- Seamless images on any scale, with no visible gaps or tiling lines between display modules



ZRCT-100

Crystal LED Display Controller



Maximum control number of display unit	72(6unit/1port x 12port)
Maximum input resolution	W1920 x H2160
Maximum input frame rate	120p
Video input	DVI-D (Single Link) x 4 *HDCP Compliant, DisplayPort (DP1.2) x 2
Unit output	RI45 x 12
Maximum power consumption	90W
Controller size (mm) (W x D x H)	440 x 349 x 65 (without protrusions) 440 x 367.3 x 75 (incl. protrusions) *1.5U 19inch Rack
Controller size (inch) (W x H x D)	17 3/8 x 13 3/4 x 2 5/8 (without protrusions) 17 3/8 x 14 15/32 x 2 15/16 (incl. protrusions) *1.5U 19inch Rack
Storage temperature	-20°C-60°C
Operation humidity	20-80% (No condensation)
Storage humidity	20-80% (No condensation)



ZRD-1



Crystal LED Display Unit

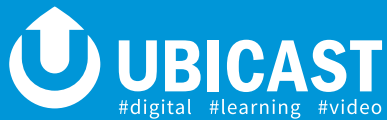
Method	Self Light Emitting Display
Light emission device	Sony Original Developed Super Micro LED (RGB in 1pixel)
Pixel pitch	1.26mm
Black area	>99% (Ratio of display area except lighting point area)
Unit resolution (W x H)	320 x 360 (115,200pixels)
Unit size (mm/inch) (W x H x D)	403.2 x 453.6 x 100 / 15 7/8 x 17 7/8 x 4
Unit area (sqm/sqft)	0.18 / 1.97
Unit weight (kg/lb)	10.0 kg / 22 lb. 0.74 oz.
Cell module resolution (W x H)	80 x 120 (9,600pixels)
Cell module size (mm/inch) (W x H)	100.8 x 151.2 / 3 31/32 x 5 15/16
Cell module configuration (W x H)	4 x 3 in 1 unit (12 Cell Modules in 1 unit)
Brightness (nit = cd/m2)	Maximum 1,000 ,Color Temp D93
Contrast ratio	more than 1,000,000:1
Viewing angle	Almost 180°(H/V)
Display native color space	140% wider than sRGB
Input signal	10bit
Signal interface	1 in 1out (2x RJ45) (Unit-Controller or Unit-Unit)
Signal cable (Unit-Controller, Unit-Unit)	Cat.7 Ethernet Cable
Power In/Out	1 AC Inlet, 1 AC Outlet (AC Inlet: IEC C13, AC Outlet: IEC C14 x1)
Power requirements	AC200-240V, 50/60 Hz, Single Phase
Average power consumption (per Unit)	100W
Average power consumption (per sqm)	550W (approx.)
LED lifespan (half brightness)	87,600hour
Storage temperature	-20°C-60°C
Operation humidity	20-80% (No condensation)
Storage humidity	20-80% (No condensation)



PrimeSupport Bespoke

This product is eligible for **PrimeSupportBespoke**, a tailored solution for organisations with the most demanding requirements for service and support. With options like next working day spares and on-site technical assistance, there's no better choice when dependable performance of your AV communications infrastructure is most crucial.

For full product specifications and features please visit
pro.sony.eu/Crystal-LED



Make your message visual

Easily create and share rich media video

A WORLD OF APPLICATIONS

Lecture capture

Digitise lectures and deliver them as searchable, engaging videos.

MOOC creation

Easily create high quality interactive learning videos for Massive Open Online Course programmes.

Online training

Create engaging, flexible video training modules for employees, customers and partners.

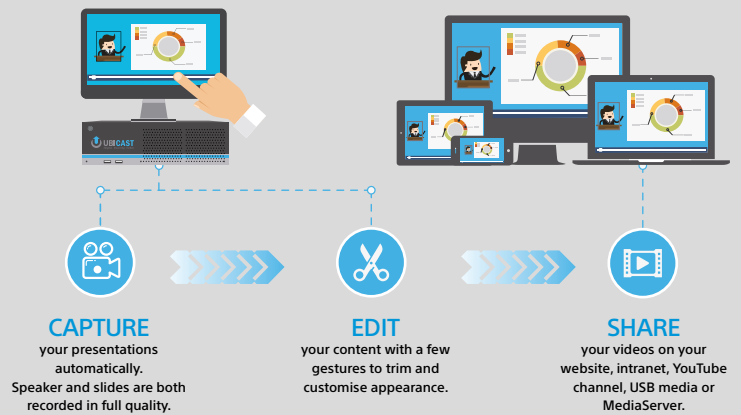
Webcasting

Stream conferences and events to a global audience, live or on demand.

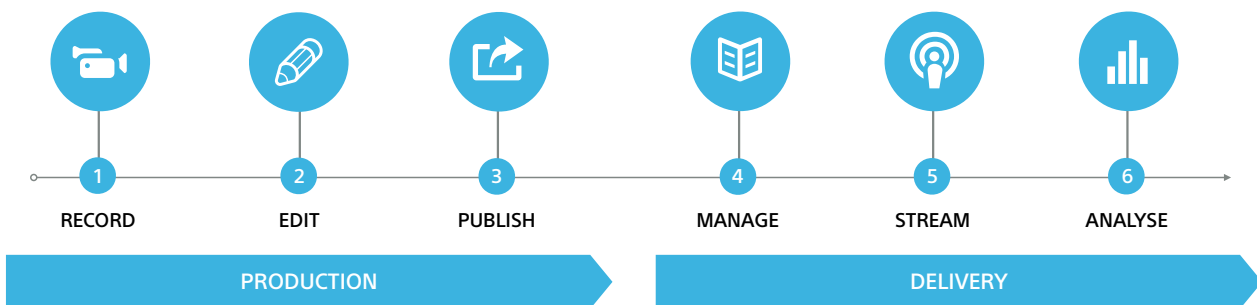
UbiCast Studio

Powerful, flexible content delivery

- Smart, customisable platform to record, store and edit videos
- Create training modules, tutorials and blended learning



User-generated video content has become the most popular and effective way to share information. UbiCast makes it easy to create and share rich media video for applications including lecture capture, MOOC (Massive Open Online Courses), e-learning and event webcasting. UbiCast orchestrates every phase of producing and delivering rich video content - from recording and editing to publishing, managing and user analytics.



Solutions on any scale

UbiCast scales readily to meet the needs of any organisation – from single-seat production to large scale implementation across a whole campus or department.

Easier, quicker, lower cost content creation

Traditionally, creating online video content has required the use of specialist production and editing resources. UbiCast reduces the cost and complexity of creating high quality video.

Dynamic, professional-looking productions

You don't need to be a professional video editor. UbiCast lets you create great-looking content quickly and easily – with no need for specialised production hardware and software.

Add interactivity for extra engagement

Make your video content even more engaging by adding interactive elements like multiple choice quizzes and polls. It's ideal for teaching and training applications to ensure that students have absorbed and understood course materials.

Enhanced audio quality

Make sure your content sounds as good as it looks. Powerful audio processing ensures that presentations, lectures, webcasts and training videos sound their very best.

For full product specifications and features please visit pro.sony.eu/UbiCast

UbiCast Mobile Studio

Turn-key recording

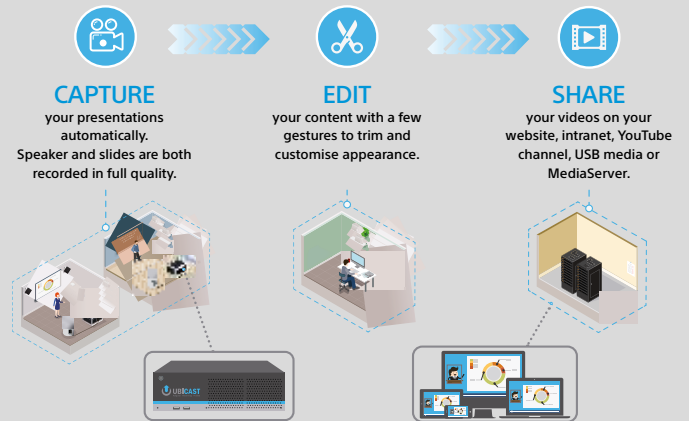
- Easy to use, all-in-one recording system for self-producing pro-quality rich media video and audio
- Available as mobile unit controlled by a touchscreen or rugged mobile, rugged workstation



UbiCast Campus

Scalable capture

- Capture lectures and presentations for webcasts or edit to learning platforms
- Readily scalable solution
- Recorder, edit workstation and remote management elements



Share content the way you want to

Distribute completed video content through any channel. Share via USB drive, live streaming, FTP file transfer or direct upload to third party platforms like YouTube.

Powerful analysis tools

Add extra intelligence to all your rich video content with powerful, easy to use data analysis tools.

UbiCast Media Server

VIDEO PORTAL



Secure

SSO authentication by support for LDAP, CAS, LTI and content protection

Indexed

Access all your videos via a single search engine for all metadata

Custom

Your graphical charter: header, home, CSS stylesheets, video player

STREAMING PLATFORM



Flexible

Full device and web browser support, adaptive bitrate according to bandwidth

Scalable

Reliably deliver to large audiences, live and on-demand

Statistics

Get global figures, per channel, per media and user

INTERACTIVE VIDEO PLAYER



Timeline

Annotations are related to specific moments of the video for more relevance

Contribution

Learners can enrich videos with comments, links and direct author feedback

Interactivity

Build in multiple-choice quizzes and polls for a more engaging learning experience



PrimeSupport Bespoke

This product is eligible for **PrimeSupportBespoke**, a tailored solution for organisations with the most demanding requirements for service and support. With options like next working day spares and on-site technical assistance, there's no better choice when dependable performance of your AV communications infrastructure is most crucial.



Looking after you and
your professional product

You've got our support

Your business can't afford unscheduled interruptions. We're here to help with responsive service and support for your Sony Professional product.

PrimeSupport Pro

Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if you do need repairs, we'll organise things quickly and efficiently, with free shipping and no hidden costs.

PrimeSupport Elite

If you're looking for even more peace of mind, upgrading to **PrimeSupportElite** could be the option for your business. We'll keep you up and running with our fast-track repair service that includes all shipping costs. And – depending on your product – we may offer to loan a replacement unit* while yours is being repaired. For certain models, we now offer an Advanced Replacement extension where we will ship out a replacement model within 48 hours.

PrimeSupport Bespoke

Everybody's business is different. A selected number of our products are also eligible for **PrimeSupportBespoke**, and **PrimeSupportOn Demand**, tailored solutions for organisations with the most demanding requirements for service and support. With options like next working day spares and on-site technical assistance, there's no better choice when dependable performance of your AV communications infrastructure is most crucial.

PrimeSupport On-Demand



Contact our technical support team on **00800 7898 7898**

Monday - Friday 09:00 – 18:00 (Central European Time), excluding local national holidays.

Support is available in English, French, Italian, German & Spanish and is free for most European countries.

Or e-mail: primesupport@sony.com

Captivating, bright presentations for every size room





Projectors

From classrooms and offices to lecture halls and auditoriums, Sony projectors deliver outstanding quality, reliability and energy-efficiency in every kind of venue.

Installation projectors

Outstanding image quality whatever the light source

Our laser projectors are ideal for a wide range of high-end business, education or large-scale applications. The powerful Z-Phosphor laser light source is teamed with Sony's advanced 3LCD projection engine to deliver extremely bright, rich, and stable colours.

For everyday applications and environments, our lamp projectors offer the same advanced 3LCD projection engine with cost-effective features that deliver the same high-quality performance.

Highlights - laser or lamp technology

- Powerful, WUXGA & WXGA resolution images
- Models range from 4,100 to 7,000 colour and white light output
- Easy, flexible installation
- Energy-saving features

Business and education projectors

Including portable and Ultra Short Throw

For classrooms or meeting spaces, our portable and desktop projectors are lightweight, durable and easy-to-use, combining outstanding performance with cost-efficiency. Wireless connectivity enables presentation direct from PC, Mac, smartphone or tablet, and greater opportunities for audience sharing and interaction. If space is limited, our Short Throw and Ultra Short Throw models produce big, bright images without needing to be far from the screen, whiteboard or wall.

Highlights

- 3LCD BrightEra™ technology
- Smart ECO features
- Long lamp life
- Options with XGA or WXGA resolution
- Models range from 2,800 to 4,300 colour and white light output

PrimeSupport



PrimeSupport Pro

Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if you do need repairs, we'll organise things quickly and efficiently, with free shipping and no hidden costs.

PrimeSupport Elite

If you're looking for even more peace of mind, upgrading to **PrimeSupportElite** could be the option for your business. We'll keep you up and running with our fast-track repair service that includes all shipping costs. And – depending on your product – we may offer to loan a replacement unit* while yours is being repaired. For certain models, we now offer an Advanced Replacement extension where we will ship out a replacement model within 48 hours.

D-200 Series

Four compact and lightweight economical desktop projectors for office and classroom, offering high performance, superior quality and ease of use.



High Image Quality

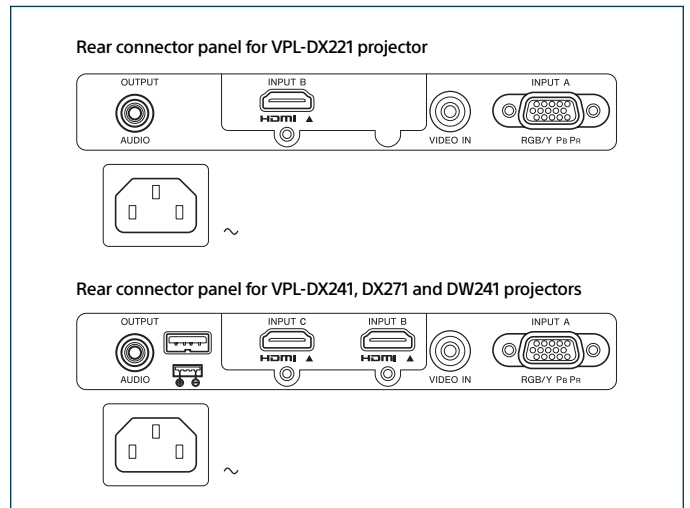
XGA and WXGA resolution, our new D-200 Series projectors feature new Vivid Mode for a much more brilliant, richer and stable colour experience.

Easy Connectivity

Two HDMI ports and a USB power supply port (5V 2A max) simplify connection with laptops plus other devices like 'stick' computers and smart dongles.

Auto On and Quick Off

Connecting to a PC automatically turns the projector on and Quick Off feature makes the projectors extremely easy to use.



PrimeSupport Pro



Included at no extra cost for 2 years, **PrimeSupportPro** goes beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if a screen failure is diagnosed, we'll organise a replacement model quickly and efficiently, with free shipping and no hidden costs. Support can also be optionally extended up to 5 years.

Service reference	Included Service PS.VPLB1.12X.L1		PS.VPL.DSERIES.1Y	PS.VPL.DSERIES.3Y	PS.LMP.DSERIES.2Y
Scope of support	Projector	Lamp	Projector		Lamp
Duration	2 year swap service	1 year or 1000 h	+1 year (Total 3 years)	+3 years (Total 5 years)	+ 2 years or 2000 h (Total 3 years or 3000h)

D-200 Series

Optional Accessories

LMP-D214
Replacement projector lamp



PAM-210
Ceiling mount



PAM-0.5M
Extension pole & ceiling plate



PAM-1.0M
Extension pole & ceiling plate



PAM-1.5M
Extension pole & ceiling plate





BrightEra™
Long Lasting Optics



		VPL-DX221	VPL-DX241	VPL-DX271	VPL-DW241	
Display system		3 LCD system				
Display device	Size of effective display area	0.63" (16mm) x 3 Aspect ratio: 4:3			0.59" (15 mm) x 3 BrightEra Aspect ratio: 16:10	
	Number of pixels	2,359,296 (1024x768 x 3) pixels			3,072,000 (1280 x 800 x 3) pixels	
	Aspect ratio	4:3			16:10	
Projection lens	Focus	Manual				
	Zoom	Manual				
		Powered/Manual Ratio	Approx. x1.2		Approx. x1.3	
	Throw Ratio	1.47-1.77	1.37-1.80	1.37-1.80	1.36-1.77	
Light source	Type	Ultra high pressure mercury lamp				
	Wattage	215W type				
	System	-				
Recommended lamp replacement time ¹	Lamp mode: High	3,000H (4,000H)				
	Lamp mode: Standard	5,000H (7,000H)				
	Lamp mode: Low	10,000H (10,000H)				
Filter cleaning	1000 H					
Screen size	30" to 300" (0.76 m to 7.62 m)					
Light output ¹	Lamp mode: High	2,800lm	3,300lm	3,600lm	3,100lm	
	Lamp mode: Standard	1,900lm	2,300lm	2,300lm	2,100lm	
	Lamp mode: Low	1,600lm	1,900lm	1,900lm	1,800lm	
Color light output ¹	Lamp mode: High	2,800lm	3,300lm	3,600lm	3,100lm	
	Lamp mode: Standard	1,900lm	2,300lm	2,300lm	2,100lm	
	Lamp mode: Low	1,600lm	1,900lm	1,900lm	1,800lm	
Contrast ratio (full white / full black) ²	4000:1					
Speaker	1 W x 1 (monaural)					
Displayable scanning frequency	Horizontal	19 kHz to 92 kHz				
	Vertical	48 Hz to 92 Hz				
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots				
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60P, 1080/50p				
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N					
Keystone correction (Max.) ⁴	Horizontal	-				
	Vertical	+/- 30 degrees				
OSD language	23-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese (簡體), Korean, Russian, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Hungary, Greek, Czech, Slovak, Rumania)					
Operating Instructions languages (Note 1)	English, Germany, French, Italy, Spanish, Russian, Chinese, Japanese, Taiwanese					
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin female audio input connector: Stereo mini jack				
	INPUT B	HDMI input connector: HDMI 19-pin, HDCP support, audio input connector: HDMI audio support				
	INPUT C	-	HDMI input connector: HDMI 19-pin, HDCP support, audio input connector: HDMI audio support			
	VIDEO IN	Video input connector: Phono jack				
	OUTPUT	Audio output connector: Stereo mini jack (Via USB Type A)				
	Power Supply	-	5V 2A power supply			
Acoustic Noise ⁵	Lamp mode: High	< 41dB				
	Lamp mode: Standard	< 38dB				
	Lamp mode: Low	< 35dB				
Operating temperature / Operating humidity	0°C to 35°C (32°F to 95°F) / 20% to 80% (no condensation)					
Storage temperature / Storage humidity	-10°C to +60°C (14°F to 140°F) / 20% to 80% (no condensation)					
Power requirements	AC 100 - 240V, 2.9A to 1.1A, 50Hz/60Hz					
Power consumption	AC 100 V to 120 V	High	293 W	284 W	304 W	304 W
		Standard	217 W	231 W	232W	231 W
		Low	194 W	210 W	207 W	198 W
	AC 220 V to 240 V	High	269 W	269 W	282 W	283 W
		Standard	206 W	221 W	218 W	219 W
		Low	185 W	199 W	195 W	198 W
Power Consumption (Standby Mode)	AC 100 V to 120 V / AC 220 V to 240 V	0.5W				
On mode power consumption	AC 100 V to 120 V	279W	260W	265W	264W	
Heat dissipation	AC 100 V to 120 V	998 BTU/h	968 BTU/h		1037BTU	
	AC 220 V to 240 V	938 BTU/h	914 BTU/h		982 BTU	
Body Color	White (Bottom : Gray)					
Dimensions (W x H x D)	325.1 x 90.0x 233.2 mm					
Dimensions (W x H x D) (without protrusions)	325.1 x 79.8 x 230.5 mm					
Mass	Approx. 2.7kg (5.9 lb)					
Battery for the remote	Category	Lithium Battery				
	Type	CR2025				
Supplied accessories	Remote commander RM-PJ8 (1), Battery CR2025 (1), HD15pin Cable (1.8m) (1), AC power cord (1), Lens Cap (1), Carrying Case (1), Operating Instructions (CD-ROM) (1), Operating Instructions (Paper) (1), Quick Reference Manual (1), Safety Regulation (1), Warranty card (1).					

¹ The values are estimated.

² This value is average with lamp dimming.

³ The figures are approximate. They vary depending on the environment or how the projector is used. Jigyobu cannot guarantee them.

⁴ The picture quality may deteriorate when the V Keystone function is used for it is an electrical correction.

⁵ The figures are approximate. They vary depending on the environment or how the projector is used.

For full product specifications and features please visit
pro.sony.eu/projectors-desktop

E-400 Series

Ideal for education applications, these compact, energy efficient portable projectors offer excellent image quality plus affordable running costs.



Bright, high contrast images

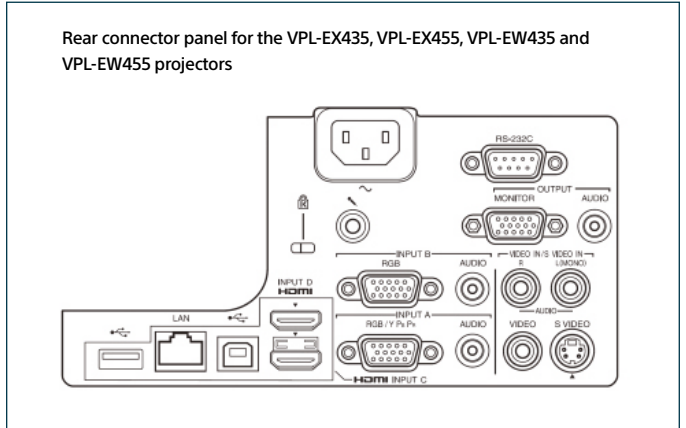
- Fill classrooms and meeting rooms with bright, detail-packed images. High 20,000:1 contrast ratio ensures crisp, images and text that stand out in any environment.

Wider connectivity options

- Project from a networked computer, or present wirelessly from laptops, tablets and smartphones.
- Dual HDMI ports for standard and latest wireless adaptors and direct USB display connection.


Affordable ownership costs

- Smart energy-saving features plus up to 10,000 hours lamp replacement intervals contribute to low ownership costs and reduced maintenance.



PrimeSupportPro

PrimeSupportElite



Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

	PrimeSupportPro		PrimeSupportElite	
Service reference	Included Service PS.VPLB3.123.L3		PS.VPL.SESERIES.2Y	PS.VPL.SESERIES.3YL
Scope of support	Projector	Lamp	Projector	
Duration	3 years	3 years or 3000 h	+2 years (Total 5 years)	+2 years repair extension & 5 years loan product

E-400 Series

Optional Accessories

IFU-WLM3
USB wireless module



LMP-E221
Replacement projector lamp



PAM-210
Ceiling mount



PAM-0.5M
Extension poles



PAM-1.0M
Extension poles



PAM-1.5M
Extension poles



iOS/Android APP
Connect your devices to projectors via a WiFi network with the VueMagic™ app*



*Available to download until end of December 2017



BrightEra
Long Lasting Optics



		VPL-EW455	VPL-EW435	VPL-EX455	VPL-EX435
Display system		3 LCD system			
Display device	Size of effective display area	0.59"(15mm) x 3 BrightEra LCD Panel Aspect ratio 16:10		0.63"(16 mm) x 3 BrightEra LCD Panel Aspect ratio 4:3	
	Number of pixels	3,072,000 (1280x800 x 3) pixels		2,359,296 (1024x768 x 3) pixels	
Projection lens	Focus	Manual			
	Throw Ratio	1.37:1 to 1.80:1			1.47:1 to 1.77:1
Light source	Type / Wattage	Ultra high pressure mercury lamp 225W type			
Recommended lamp replacement time*1	Lamp mode: High	4,000 H			
	Lamp mode: Standard	6,000 H			
	Lamp mode: Low	10,000 H			
Filter cleaning*1		10,000 H			
Screen size		30" to 300" (0.76 m to 7.62 m)			
Light output*2	Lamp mode: High	3500 lm	3100 lm	3600 lm	3200 lm
	Lamp mode: Standard	2500 lm	2200 lm	2500 lm	2300 lm
	Lamp mode: Low	2100 lm	1900 lm	1900 lm	1800 lm
Colour light output*2	Lamp mode: High	3500 lm	3100 lm	3600 lm	3200 lm
	Lamp mode: Standard	2500 lm	2200 lm	2500 lm	2300 lm
	Lamp mode: Low	2100 lm	1900 lm	1900 lm	1800 lm
Contrast ratio (full white / full black)*3		20000:1			
Speaker		16W (monaural)			
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz			
	Vertical	48 Hz to 92 Hz			
Display resolution	Computer signal input	Maximum display resolution: 1600 x 1200 dots, fV:60Hz			
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p			
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PALN, PAL60			
Keystone correction** (Max.) - Vertical		+/-20 degrees		+/-30 degrees	
OSD language		'27-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungarian, Greek, Czech, Slovakia, Romania)			
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin female, audio input connector: Stereo mini jack			
	INPUT B	RGB input connector: Mini Dsub 15 pin female, audio input connector: Stereo mini jack			
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support, audio input connector: HDMI audio support			
	INPUT D	HDMI input connector: HDMI 19-pin, HDCP support, audio input connector: HDMI audio support			
	S VIDEO IN	S Video input connector: Mini DIN 4-pin			
	VIDEO IN	Video input connector: Phono jack			
	OUTPUT	MONITOR output connector: Mini D-sub 15 pin female, audio output connector: Stereo mini			
	Y PB/CB PR/CR	Component: Mini D-sub 15 pin female			
	REMOTE	D-sub 9-pin male/RS232C			
	LAN	RJ-45, 10BASE-T/100BASE-TX			
	USB	Type-A & Type-B			
MICROPHONE IN	Microphone jack: Mini Jack				
Acoustic noise*5	Lamp mode: Low	29dB			
Operating temperature / Operating humidity		0°C to 40°C / 32°F to 104°F (20% to 80%; no condensation)			
Storage temperature / Storage humidity		-10°C to +60°C / 14°F to +140°F (20% to 80%; no condensation)			
Power requirements		AC 100 V to 240 V, 3.4 A to 1.5 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.2A to 1.4 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.4 A to 1.5 A, 50 Hz / 60 Hz	
Power consumption	AC 100 V to 120 V	332 W (High) 270 W (Standard) 233 W (Low)	318 W (High) 260 W (Standard) 232 W (Low)	333 W (High) 270 W (Standard) 233 W (Low)	
	AC 220 V to 240 V	319 W (High) 261 W (Standard) 225 W (Low)	306 W (High) 252 W (Standard) 226 W (Low)	320 W (High) 260 W (Standard) 225 W (Low)	
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.50W (when "Standby mode" is set to "Low")			
	AC 220 V to 240 V	0.50W (when "Standby mode" is set to "Low")			
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	5.5W(LAN) / 6.0W (optional WLAN module) / 6.2W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")			
	AC 220 V to 240 V	5.8W(LAN) / 6.3W (optional WLAN module) / 6.6W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")			
Standby Mode / Networked Standby Mode Activated		Approx. 10 Minutes			
Wireless Network(s) On/Off Switch		Press the MENU button, then select [Connection/Power] > [WLAN Settings] > [WLAN Connection] > Select On or Off			
Heat dissipation	AC 100 V to 120 V	1133 BTU	1085 BTU	1136 BTU	
	AC 220 V to 240 V	1088 BTU	1044 BTU	1092 BTU	
Dimensions (W x H x D) (without protrusions)		Aprox. 365 x 96.2 x 252 mm (14 3/8 X3 25/32 X9 29/32 ")			
Mass		Approx. 3.9kg (8.6 lb)			
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CDROM) (1), Quick Reference Manual (1) Lens cap (1)			
Optional Accessories		LMP-E221, IFU-WLM3 (WLAN module)			

*1 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *2 The values are estimate. | *3 The value is average. | *4 The picture quality may deteriorate when the V Keystone function is used for it is an electrical correction. | *5 The figures are approximate. They vary depending on the environment or how the projector is used.

For full product specifications and features please visit
pro.sony.eu/projectors-desktop

E-500 Series

These portable projectors fill larger rooms with bright, high-impact images. Smart features make the most of today's integrated AV/IT environments.



High brightness, high contrast images

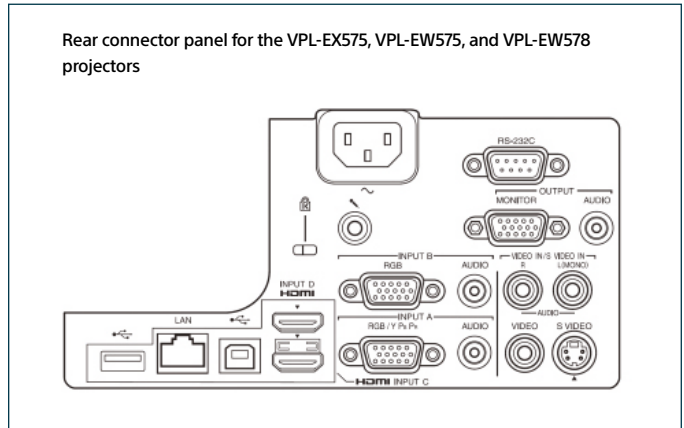
- Fill larger classrooms and meeting rooms with powerful output up to 4300 lumen brightness. High 20,000:1 contrast ratio ensures crisp, images and text.

Wider connectivity options

- Project from a networked computer, or present wirelessly from laptops, tablets and smartphones.
- Dual HDMI ports for standard and latest wireless adaptors and direct USB display connection.


Affordable ownership costs

- Smart energy-saving features like Auto Mode and Lamp Dimming, plus up to 10,000 hours lamp replacement intervals contribute to low ownership costs and reduced maintenance.



PrimeSupportPro

PrimeSupportElite




Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

	PrimeSupportPro		PrimeSupportElite		
Service reference	Included Service PS.VPLB3.123.L3		PS.VPL.SESERIES.2Y	PS.VPL.SESERIES.3YL	PS.VPL.SESERIES.5YL
Scope of support	Projector	Lamp	Projector		
Duration	3 years	3 years or 3000 h	+2 years (Total 5 years)	3 years repair & loan	+2 years repair extension & 5 years loan product

E-500 Series
Optional Accessories

IFU-WLM3
USB wireless module



LMP-E221
Replacement projector lamp



PAM-210
Ceiling mount



PAM-0.5M
Extension poles



PAM-1.0M
Extension poles



PAM-1.5M
Extension poles



iOS/Android APP
Connect your devices to projectors via a WiFi network with the VueMagic™ app*



*Available to download until end of December 2017



BrightEra
Long Lasting Optics



		VPL-EW578	VPL-EW575	VPL-EX575
Display system		3 LCD system		
Display device	Size of effective display area	0.75"(19mm) x 3 BrightEra LCD Panel Aspect ratio 16:10		0.63"(16 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3
	Number of pixels	3,072,000 (1280x800 x 3) pixels		2,359,296 (1024x768 x 3) pixels
Projection lens	Focus	Manual		
	Throw Ratio	1.10:1 to 1.79:1		1.40:1 to 2.27:1
Light source	Type / Wattage	Ultra high pressure mercury lamp 225W type		
Recommended lamp replacement time*1	Lamp mode: High	4,000 H		
	Lamp mode: Standard	6,000 H		
	Lamp mode: Low	10,000 H		
Filter cleaning / replacement cycle (Max.)*1		10,000 H		
Screen size		30" to 300" (0.76 m to 7.62 m)		
Light output*2	Lamp mode: High	4300 lm		4200 lm
	Lamp mode: Standard	3200 lm		3000 lm
	Lamp mode: Low	2400 lm		2300 lm
Colour light output*2	Lamp mode: High	4300 lm		4200 lm
	Lamp mode: Standard	3200 lm		3000 lm
	Lamp mode: Low	2400 lm		2300 lm
Contrast ratio (full white / full black)*3		20000:1(SYQ) 12000:1(C1)		
Speaker		16W (monaural)		
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		
	Vertical	48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1600 x 1200 dots, fV:60Hz		
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p		
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction*4 (Max.) - Vertical		+/-20 degrees		+/-30 degrees
OSD language		27-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungary, Greek, Czech, Slovakia, Romania)		
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin female Audio input connector: Stereo mini jack		
	INPUT B	RGB input connector: Mini D-sub 15 pin female Audio input connector: Stereo mini jack		
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support		
	INPUT D	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support		
	S VIDEO IN	S Video input connector: Mini DIN 4-pin		
	VIDEO IN	Video input connector: Phono jack		
	OUTPUT	MONITOR output connector: Mini D-sub 15 pin female Audio output connector: Stereo mini		
	Y PB/CB PR/CR	Component: Mini D-sub 15 pin female		
	REMOTE	D-sub 9-pin male/RS232C		
	LAN	RJ45,100BASE-TX (Shared with HDBaseT)	RJ-45, 10BASE-T/100BASE-TX	
USB	Type-A & Type-B			
MICROPHONE IN	Microphone jack: Mini Jack			
Acoustic noise*5	Lamp mode: Low	29dB		
Operating temperature / Operating humidity		0°C to 40°C / 32°F to 104°F (20% to 80%; no condensation)		
Storage temperature / Storage humidity		-10°C to +60°C / 14°F to +140°F (20% to 80%; no condensation)		
Power requirements		AC 100 V to 240 V, 3.5 A to 1.5 A, 50 Hz / 60 Hz	AC 100 V to 240 V, 3.4 A to 1.5 A, 50 Hz / 60 Hz	
Power consumption	AC 100 V to 120 V	344 W (High) 278 W (Standard) 241W (Low)	332 W (High) 270 W (Standard) 233 W (Low)	333 W (High) 270 W (Standard) 233 W (Low)
	AC 220 V to 240 V	328 W (High) 270 W (Standard) 234 W (Low)	319 W (High) 261 W (Standard) 225 W (Low)	320 W (High) 260 W (Standard) 225 W (Low)
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.50W (when "Standby mode" is set to "Low")		
	AC 220 V to 240 V	0.50W (when "Standby mode" is set to "Low")		
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	5.5W(LAN) / 6.0W (optional WLAN module) / 6.2W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")		
	AC 220 V to 240 V	5.8W(LAN) / 6.3W (optional WLAN module) / 6.6W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")		
Standby Mode/Networked Standby Mode Activated		Approx. 10 Minutes		
Wireless Network(s) On/Off Switch		Press the MENU button, then select [Connection/Power] > [WLAN Settings] > [WLAN Connection] > Select On or Off		
Heat dissipation	AC 100 V to 120 V	1174 BTU	1133 BTU	1136 BTU
	AC 220 V to 240 V	1119 BTU	1088 BTU	1092 BTU
Dimensions (W x H x D) (without protrusions)		Approx. 365 x 96.2 x 252 mm (14 3/8 X3 25/32 X9 29/32 ")		
Mass		Approx. 4.1kg (9 lb)		Approx. 4 kg (8.8 lb)
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CDROM) (1), Quick Reference Manual (1) Lens cap (1)		
Optional Accessories		LMP-E221, IFU-WLM3 (WLAN module)		

*1 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *2 The values are estimate. | *3 The value is average. | *4 The picture quality may deteriorate when the V Keystone function is used for it is an electrical correction. | *5 The figures are approximate. They vary depending on the environment or how the projector is used.

For full product specifications and features please visit
pro.sony.eu/projectors-desktop

Short Throw Series

Four short throw projectors that create an 80-inch image from only 75-79cm away with less glare or shadow during presentations. Energy-efficient, wireless-ready with eco-friendly capabilities.



Short throw distance

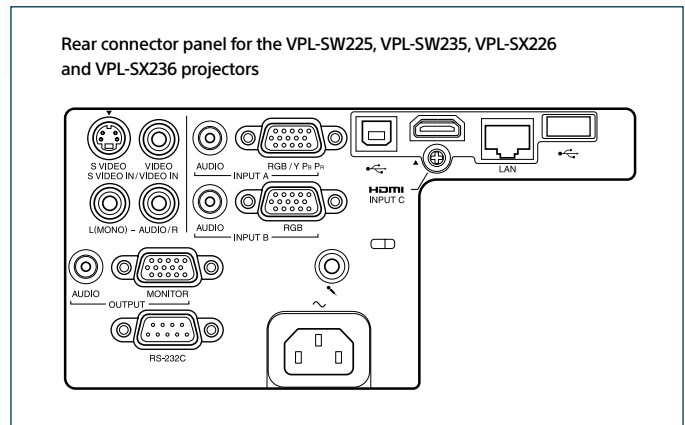
- Produces a 2.03m (80-inch) diagonal screen size image from only 75cm (29-inch) or 79cm (31-inch) away from the screen.

USB Media viewer

- Insert a USB drive to effortlessly display photos, images and graphics with no PC needed.

Networked control

- Projector functions and status can be managed and monitored remotely from any user's PC on the network. "Projector Station for Network Control" is provided.



PrimeSupportPro PrimeSupportElite



Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

	PrimeSupportPro		PrimeSupportElite		
Service reference	Included Service PS.VPLB3.123.L3		PS.VPL.SESERIES.2Y	PS.VPL.SESERIES.3Y	PS.VPL.SESERIES.5Y
Scope of support	Projector	Lamp	Projector		
Duration	3 years	3 years or 3000 h	+2 years (Total 5 years)	3 years repair & loan	+2 years repair extension & 5 years loan product

S-Series

Optional Accessories

LMP-E212
Replacement projector lamp



IFU-WLM3
USB wireless module



PAM-210
Ceiling mount



PAM-0.5M
Extension pole & ceiling plate



PAM-1.0M
Extension pole & ceiling plate



PAM-1.5M
Extension pole & ceiling plate



iOS/Android APP
Connect your devices to projectors via a WiFi network with the VueMagic™ app*



*Available to download until end of December 2017



BrightEra
Long Lasting Optics



		VPL-SW225	VPL-SW235	VPL-SX226	VPL-SX236
Display system		3 LCD system			
Display device	Size of effective display area	0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.63" (16 mm) x 3 BrightEra, Aspect ratio: 4:3	
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels		2,359,296 (1024 x 768 x 3) pixels	
Projection lens	Focus	Manual			
	Throw Ratio	0.46:1		0.46:1	
Light source	Type / Wattage	Ultra high pressure mercury lamp / 210 W type			
Recommended lamp replacement time ^{*1}	Lamp mode: High	4,000 H			
	Lamp mode: Standard	6,000 H			
	Lamp mode: Low	10,000 H			
Filter cleaning ^{*1}		7,000 H			
Screen size		57" to 103" (1.45 m to 2.62 m) (measured diagonally)		60" to 110" (1.52 m to 2.79 m) (measured diagonally)	
Light output	Lamp mode: High	2600 lm	3000 lm	2800 lm	3300 lm
	Lamp mode: Standard	2100 lm	2100 lm	2000 lm	2400 lm
	Lamp mode: Low	1700 lm	1700 lm	1600 lm	1900 lm
Colour light output	Lamp mode: High	2600 lm	3000 lm	2800 lm	3300 lm
	Lamp mode: Standard	2100 lm	2100 lm	2000 lm	2400 lm
	Lamp mode: Low	1700 lm	1700 lm	1600 lm	1900 lm
Contrast ratio (full white / full black) ^{*2}		2000:1		3000:1	
Speaker		16 W x 1 (monaural)			
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz		15 kHz to 92 kHz	
	Vertical	47 Hz to 93 Hz		48 Hz to 92 Hz	
Display resolution	Computer signal input	Maximum display resolution: UXGA 1600 x 1200 dots ^{*3}			
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, The following items are available for digital signal (HDMI input) only; 1080/60p, 1080/50p			
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N			
Keystone correction (Max.) - Vertical		+/- 7.5 degrees			
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)			
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack			
	INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack			
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support			
	S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)			
	VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)			
	OUTPUT	Monitor output connector ^{*4} : Mini D-sub 15-pin (female), Audio output connector ^{*5} : Stereo mini jack (variable out)			
	REMOTE	RS-232C connector: D-sub 9-pin (female)		RS-232C connector: D-sub 9-pin (male)	
	LAN	RJ-45, 10BASE-T/100BASE-TX			
	USB	Type-A, Type-B			
MICROPHONE IN	Microphone input: Mini Jack				
Acoustic noise	Lamp mode: Low	Lamp mode: Low: 30 dB			
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)			
Storage temperature / Storage humidity		-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)			
Power requirements		AC 100 V to 240 V, 3.2 A to 1.3 A, 50 Hz / 60 Hz			
Power consumption	AC 100 V to 120 V	Lamp mode: High: 291 W	Lamp mode: High: 315 W	Lamp mode: High: 305 W	Lamp mode: High: 308 W
	AC 220 V to 240 V	Lamp mode: High: 281 W	Lamp mode: High: 302 W	Lamp mode: High: 294 W	Lamp mode: High: 297 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")			
	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")			
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	5.0 W (LAN), 5.6 W (optional WLAN module), 5.8 W (All terminals and networks connected) (when "Standby Mode" is set to "Standard")			
	AC 220 V to 240 V	5.3 W (LAN), 5.9 W (optional WLAN module), 6.0 W (All terminals and networks connected) (when "Standby Mode" is set to "Standard")			
Standby Mode / Networked Standby Mode Activated		After about 10 Minutes			
Wireless Network(s) On/Off Switch		1) Press the MENU button, then select [Connection/Power], 2) [WLAN Settings], 3) [WLAN Connection], 4) Select On or Off			
Heat dissipation	AC 100 V to 120 V	993 BTU/h	1075 BTU/h	1041 BTU	1051 BTU
	AC 220 V to 240 V	959 BTU/h	1031 BTU/h	1004 BTU	1014 BTU
Dimensions (W x H x D) (without protrusions)		Approx. 365 x 138.7 x 310 mm (14 3/8 x 5 15/32 x 12 7/32 inches)			
Mass		Approx. 4.4 kg (9 lb)			
Supplied accessories		Remote commander (RM-PJ8)			
Optional Accessories		Replacement lamp (LMP-E212), Wireless LAN Module (IFU-WLM3)			

*1 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *2 The value is average. | *3 Available for VESA Reduced Blanking signal. | *4 From INPUT A and INPUT B. | *5 Works as an audio switcher function. Output from a selected channel; not available in standby.

For full product specifications and features please visit
pro.sony.eu/short-throw

Ultra Short Throw Series

Three ultra short throw projectors that create shadowless presentations. Dual pen interactivity and PC-less functionality available.* Energy efficient, wireless-ready with eco-friendly capabilities.



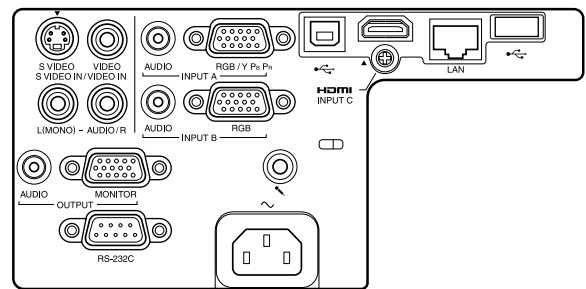
Ultra Short throw distance

- Produces a 2.03m (80-inch) diagonal screen size image from only 43cm (17.1-inch) or 46cm (18.2-inch) away from the screen.

Easy to adjust to any whiteboard

- Adjustable optical zoom and lens shift for speedy, fuss-free installation in any classroom. Generous connections simplify hook-ups with PCs, DVD players, microphones and other AV devices.

Rear connector panel for the VPL-SX631, VPL-SW631, VPL-SW636C



PrimeSupportPro PrimeSupportElite



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	PrimeSupportPro		PrimeSupportElite		
Service reference	Included Service PS.VPLB3.123.L3		PS.VPL.SESERIES.2Y	PS.VPL.SESERIES.3YL	PS.VPL.SESERIES.5YL
Scope of support	Projector	Lamp	Projector		
Duration	3 years	3 years or 3000 h	+2 years (Total 5 years)	3 years repair & loan	+2 years repair extension & 5 years loan product

S-Series

Optional Accessories

LMP-E220
Replacement projector lamp



IFU-WLM3
USB wireless module



iOS/Android APP
Connect your devices to projectors via a WiFi network with the VueMagic™ app*



IFU-PN250A
Interactive Pen replacement for VPL-SW636C model only



IFU-PN250B
Interactive Pen replacement for VPL-SW636C model only



*Available to download until end of December 2017



BrightEra™
Long Lasting Optics



	VPL-SX631	VPL-SW631	VPL-SW636C
Light output / color light output	3,300 lumens (High mode)		
Display device	0.63"(16 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3	0.59" (15 mm) x 3 BrightEra LCD Panel, Aspect ratio 16:10	
	2,359,296 (1024x768 x 3) pixels	3,072,000 (1280x800 x 3) pixels	
Contrast ratio (full white / full black) *1	3,000:1		
Light source	UHP mercury Lamp 225 W type		
Recommended lamp replacement time *2	4,000 H (Hi) / 6,000 H (Std) / 10,000 H (Low)		
Filter cleaning cycle *2	Same time as the lamp replacement is recommended		
Projection lens - Zoom	Optional: Manual (Approx. x1.03)		
Projection lens - Focus	Manual		
Projection lens - Lens shift	Manual, Vertical: +/- 3.1% Horizontal: +/- 2.3%	Manual, Vertical: +/- 3.7% Horizontal: +/- 2.3%	
Projection lens - Throw ratio	0.27:1 (0.267 - 0.274:1)		
Keystone correction	Max. Vertical: +/- 5 degrees		Max. Vertical: +4/- 1 degrees
Acoustic noise	High 35dB / Standard 32dB / Low 28dB		
OSD language	27-languages (English, French, German, Italian Spanish, Portuguese, Japanese, Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungarian, Greek, Czech, Slovakia, Romanian)		
	Computer and video input / output		
INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin female / Audio input connector: Stereo mini jack		
INPUT B	RGB input connector: Mini D-sub 15 pin female / Audio input connector: Stereo mini jack		
INPUT C	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI audio support		
VIDEO IN	Video input connector: Phono jack		
S VIDEO IN	S Video input connector: Mini DIN 4-pin		
Monitor OUT	Monitor output connector: Mini D-sub 15-pin		
Audio OUT	Stereo mini		
Built in Interactive capability	-	-	Yes
Dual Pen	-	-	Yes
Auto Calibration	-	-	Yes
PC Free Interactive	-	-	Yes
Driver less	-	-	Yes
Display resolution	Maximum display resolution: UXGA 1600 x 1200 dots*3 480/60i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p		
	Control signal input / output, Others		
RS-232C	D-sub 9-pin male		
LAN	RJ-45 10BASE-T / 100BASE-TX		
USB	Type-A, Type-B		
Microphone input	Mini jack		
Speaker	Speaker 16 W (monaural)		
Operating temperature (Operating humidity)	0°C to 40°C / 32°F to 104°F (20% to 80%; no condensation)		
Storage temperature (Storage humidity)	-10°C to +60°C / -4°F to +140°F (20% to 80%; no condensation)		
Power requirements	AC 100V to 240V, 3.3 A to 1.5 A, 50 Hz / 60 Hz		AC 100V to 240V, 3.5 A to 1.6 A, 50 Hz / 60 Hz
Power consumption (Hi / Std / Low) AC 100 V - 120 V	305 W / 261 W / 232 W	330 W / 261 W / 231 W	341 W / 274 W / 266 W
Power consumption (Hi / Std / Low) AC 220 V - 240 V	294 W / 252 W / 225 W	320 W / 252 W / 224 W	328 W / 245 W / 239 W
Power Consumption (Standby Mode)	0.5W (standby in Low)		
Network Standby (LAN/WLAN) mode power consumption (Std / Low) AC 100 V - 120 V	5.6 W / 5.9 W		
Network Standby (LAN/WLAN) mode power consumption (Std / Low) AC 220 V - 240 V	5.6 W / 6.2 W		
Heat dissipation AC 100 V to 120 V	1041 BTU	1126 BTU	1163 BTU
Heat dissipation AC 220 V to 240 V	1003 BTU	1092 BTU	1119 BTU
Outside dimensions (W x H x D)	Approx: 372 x 138 x 382mm (14 21/32 x 5 7/16 x 15 1/32 inches) (without protrusions)		
Mass	6.0kg (13 lb)		6.3kg (14 lb)
Supplied accessories	PSS-645 Wall Mount, RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Application Software (CD-ROM) (1), Warranty card (1), Safety Regulations/QRM (1), Security Label (1)		PSS-645 Wall Mount, RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), 5m USB Cable (1), Operating Instructions (CD-ROM) (1), Quick Reference Manual (1), Application Software (CD-ROM) (1), Warranty card (1), Safety Regulations/QRM (1), Security Label (1)
Wireless module (WLAN)	IFU-WLM3 (optional)		
Interactive Pens	-	-	IFU-PN250A (1), IFU-PN250B (1)
Replacement lamp	LMP-E220		

*1 This value is an average.

*2 The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used.

*3 The figures are approximate. They vary depending on the environment or how the projector is.

For full product specifications and features please visit
pro.sony.eu/ultra-short-throw

CH-Series

Four Installation models that raise the bar with higher resolution images and the same energy efficiency, TCO, image quality, brightness and stylish design that comes with our other C-Series range.



HDBaseT

- Allows simple connectivity using an HDBaseT digital interface, multi signal transmission system, providing a single cable, cost-effective, long-distance, and high-quality digital transmission solution*.

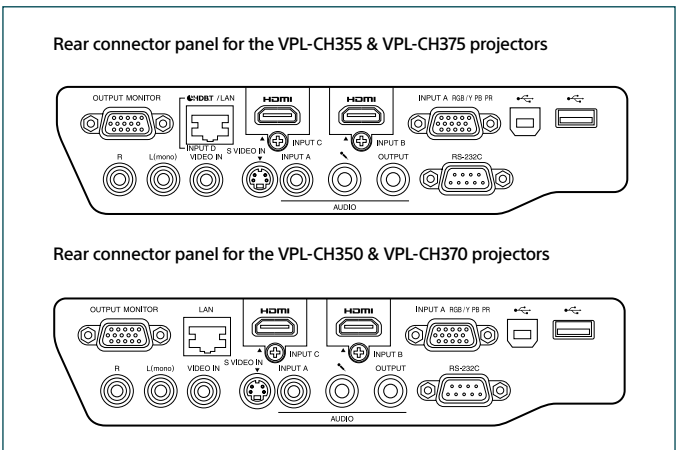
Audio / Speaker bypass

- When set to "Always On," the speaker / microphone is available via Audio Input A.

WUXGA resolution installation projectors


- 4000 – 5000 lumens brightness

* VPL-CH355 and VPL-CH375 only



PrimeSupportPro

PrimeSupportElite



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Service reference	PrimeSupportPro			PrimeSupportElite	
	Included Service PS.VPLB3.123.1	PS.VPL.FCSERIES.2Y	PS.VPL.FCSERIES.3YL	PS.VPL.FCSERIES.5YL	PS.LMP.FCSERIES.2Y
Scope of support	Projector	Lamp	Projector		Lamp
Duration	3 years	1 years or 1000 h	+2 years (Total 5 years)	3 years repair & loan	+2 years repair extension & 5 years loan product (Total 3 years or 3000h)

CH-Series Optional Accessories

<p>LMP-C250 Replacement projector lamp (CH350/CH355)</p> 	<p>LMP-C281 Replacement projector lamp (CH370/CH375)</p> 	<p>IFU-WLM3 USB wireless module</p> 	<p>PAM-210 Ceiling mount</p> 	<p>PAM-0.5M Extension pole & ceiling plate</p> 	<p>PAM-1.0M Extension pole & ceiling plate</p> 	<p>PAM-1.5M Extension pole & ceiling plate</p> 	<p>iOS/Android APP Connect your devices to projectors via a WiFi network with the VueMagic™ app*</p> 
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*Available to download until end of December 2017



		VPL-CH350	VPL-CH355	VPL-CH370	VPL-CH375
Display system		3 LCD system			
Display device	Size of effective display area	0.64" (16.3 mm) × 3, Aspect ratio: 16:10			
	Number of pixels	6,912,000 (1920 × 1200 × 3) pixels			
	Aspect ratio	16: 10			
Projection lens	Zoom	Manual (Ratio: Approx. x 1.45)			
	Focus	Manual			
	Lens Shift	Manual (Vertical: +/- 5%, Horizontal: +/- 4%)			
	Throw Ratio	1.5:1 to 2.2:1			
Light source		Ultra high pressure mercury lamp 250 W type		Ultra high pressure mercury lamp 280 W type	
Recommended lamp replacement time		3,000 H / 4,000 H / 5,000 H (Lamp mode: High / Standard / Low) Synchronized filter with lamp replacement		2,500 H / 3,000 H / 3,500 H (Lamp mode: High / Standard / Low) Synchronized filter with lamp replacement	
Screen size		40" to 300" (1.02 m to 7.62 m) (measured diagonally)			
Light output (Mode: High / Standard / Low)		4000 lm / 3200 lm / 2600 lm		5000 lm / 3600 lm / 3100 lm	
Color light output (Mode: High / Standard / Low)		4000 lm / 3200 lm / 2600 lm		5000 lm / 3600 lm / 3100 lm	
Contrast ratio (full white / full black)		2500: 1			
Acoustic noise (Lamp mode: High / Standard / Low)		36dB / 33dB / 29dB		38dB / 35dB / 29dB	
Displayable scanning frequency	Horizontal	19 kHz - 92 kHz			
	Vertical	48 Hz - 92 Hz			
Display resolution	Computer signal input	Maximum display resolution: 1920 × 1200 dots ¹ / Panel display resolution: 1920 × 1200 dots			
	Video signal input	480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p			
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N			
Keystone correction		Vertical: Max. +/- 30 degrees, Horizontal: Max. +/- 20 degrees			
OSD language		24-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Indonesian, Finnish, Hungarian, Greek)			
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / YPbPr input connector: Mini D-sub 15 pin female, Audio input connector: Stereo mini jack			
	INPUT B / INPUT C	HDMI input connector: HDMI 19-pin, HDCP support			
	S VIDEO IN	S-video input connector: Mini DIN 4-pin			
	VIDEO IN	Video input connector: Phono jack			
	OUTPUT	Monitor output connector ² : Mini D-sub 15-pin (female), Audio output connector ² : Stereo mini jack			
	REMOTE	D-sub 9-pin (male)			
	LAN	RJ45, 100BASE-TX	RJ45, 100BASE-TX (Shared with HDBaseT)	RJ45, 100BASE-TX	RJ45, 100BASE-TX (Shared with HDBaseT)
	HDBaseT	-	RJ45, 4 Play	-	RJ45, 4 Play
	USB	Type-A, Type-B			
MICROPHONE IN	Mini jack				
Speaker		12W × 1 (monaural)			
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (20% to 80%; no condensation)			
Storage temperature (Storage humidity)		-10°C to +60°C / -14°F to +140°F (20% to 80%; no condensation)			
Power requirements		AC 100 V to 240 V, 3.6 A to 1.6 A, 50/60 Hz		AC 100 V to 240 V, 3.9 A to 1.7 A, 50/60 Hz	
Power consumption (Lamp mode: High / Standard / Low)	AC 100 V to 120 V	353W / 285W / 265W		388W / 315W / 279W	
	AC 220 V to 240 V	334W / 272W / 254W		367W / 299W / 266W	
Standby mode power consumption (Standby mode: Standard / Low)	AC 100 V to 120 V	4.7W / 0.5W	6.1W / 0.5W	4.7 / 0.3W	6.1W / 0.3W
	AC 220 V to 240 V	4.9W / 0.5W	6.2W / 0.5W	4.9 / 0.5W	6.2W / 0.5W
Heat dissipation	AC 100 V to 120 V	1204 BTU		1323 BTU	
	AC 220 V to 240 V	1139 BTU		1252 BTU	
Outside dimensions (W × H × D)		Approx. 406 × 113 × D 330.5 mm (15 31/32 × 4 7/16 × 13 in) (without protrusions)			
Mass		Approx. 5.7 kg / 12 lb			
Supplied accessories		RM-PJ8 Remote Commander (1), Lithium battery: CR2025 (1), AC Power Cord (1), Lens cap (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1), Presentation Station for Network Presentation application (CDROM) (1)			

^{*1} Available for VESA Reduced Blanking signal. | ^{*2} From INPUT A.

P-Series Laser projectors

Compact, versatile laser projectors with excellent picture quality and easy maintenance: the bright choice for education and corporate environments.



Spectacular image quality

- Powerful Z-Phosphor laser light source and advanced BrightEra 3LCD projection engine deliver detail-packed images with high 5000 lumens of colour brightness.

Long life, less maintenance

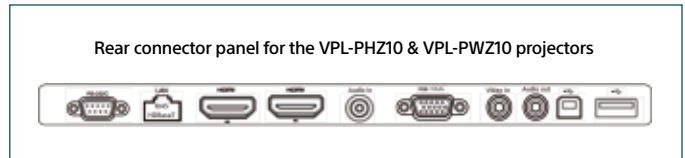
- Reliable, long-lasting laser light source offers up to 20,000 hours virtually maintenance-free operation.

Flexible installation

- Position the projector freely at any angle, on its side or even upside down.
- HDBaseT reduces cabling for simpler integration.

Discreet partner for any presentation space

- Stylish blend-in design with tidy cable management and low fan noise.



PrimeSupportPro

PrimeSupportElite




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	PrimeSupportPro	PrimeSupportElite
Service reference	Included Service PS.LASERPROJ.5	PSP.VPLP-SER.EXC.5
Scope of support	Laser Projector	Laser Projector
Duration	5 years or 12000 hours	5 years or 12000 hours with Advance Replacement

P-Series
Optional Accessories


PAM-310
Ceiling mount




PAM-0.5M
Extension pole & ceiling plate



PAM-1.0M
Extension pole & ceiling plate



PAM-1.5M
Extension pole & ceiling plate





		VPL-PHZ10	VPL-PWZ10
Display system		3 LCD system	
Display device	Size of effective display area	0.76" (19.3 mm) x 3 BrightEra LCD Panel	
	Number of pixels	WUXGA: 6,912,000 (1920 x 1200 x 3) pixels	WXGA: 3,072,000 (1280 x 800 x 3) pixels
	Aspect ratio	16: 10	
Projection lens	Zoom	Manual (Ratio: Approx. x 1.45)	
	Focus	Manual	
	Lens Shift	Manual (Vertical: +20%~+55%, Horizontal: +/- 10%)	
	Throw Ratio	1.28-1.88:1	
	Focal length(mm) / Aperture	f=21.37mm - 31.25mm f/ 1.50-1.95	
Light source		Laser + Phosphor	
Filter cleaning		20,000 H	
Light/ Colour output (Mode: Standard/Middle/Low) ¹		5,000 lm / 4,000 lm / 3,000 lm	
Contrast ratio (full white / full black) ²		500,000:1	
Key stone correction (Max) ³		Horizontal: +/-30 degrees Vertical: +/-20 degrees	
Power requirements		AC 100 V to 240 V, 4.3 A to 1.7 A, 50 Hz / 60 Hz	
Speaker		16W (monaural)	
Displayable scanning frequency		Horizontal: 15 kHz to 92 kHz Vertical: 48 Hz to 92 Hz	
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots	
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p	
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL-60	
OSD language		27-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Chinese(简·繁), Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic, Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungary, Greek, Czech, Slovakia, Romania)	
Operating Instructions languages		'English, Germany, French, Italy, Spanish, Russian, Simplified Chinese, Japanese, Arabic	
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin female Audio input connector: Stereo mini jack	
	INPUT B	HDMI input connector: HDMI 19-pin, Digital RGB/YBPBR, HDCP support, HDMI audio support	
	INPUT C	HDMI input connector: HDMI 19-pin, Digital RGB/YBPBR, HDCP support, HDMI audio support	
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN (100BASE-TX), RS-232C)	
	VIDEO IN	Video input connector: Phono Jack Audio input connector: Shared with INPUT A	
	OUTPUT	Audio output connector: Stereo mini jack	
	REMOTE	D-sub 9-pin (male) / RS232C	
	LAN	RJ45,100BASE-TX (Shared with HDBaseT)	
USB	TYPE-A / TYPE-B		
Acoustic Noise ⁴	Light output mode: Standard/ Middle/ Low	36dB / 28dB / 25dB	
Operating temperature /Operating humidity		0°C to 40°C (32°F to 104°F)/20-80% (no condensation)	
Storage temperature /Storage humidity		-10 °C to +60°C (-4°F to +140°F) /20-80% (no condensation)	
Power consumption Standard / Middle / Low)	AC 100 V to 120 V	424W / 287W / 217W	399W / 266W / 198W
	AC 220 V to 240 V	403W / 279W / 211W	377W / 256W / 193W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5W (when "Standby mode" is set to "Low")	
	AC 220 V to 240 V	0.5W (when "Standby mode" is set to "Low")	
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	12.5W(LAN) / 13.2W (optional WLAN module) / 16.8W(HDBaseT)/17.4W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")	
	AC 220 V to 240 V	11.9W(LAN) / 12.6W (optional WLAN module) / 17.0W(HDBaseT)/17.6W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")	
On mode power consumption	AC 100 V to 120 V	369W	342W
	AC 220 V to 240 V	353W	328W
Heat dissipation	AC 100 V to 120 V	1446BTU	1361BTU
	AC 220 V to 240 V	1374BTU	1286BTU
Body Colour (Color Code)		White/Gray	
Dimensions (W x H x D)		Approx. 510 x128.5 x 354.6mm	
Dimensions (W x H x D) (without protrusions)		Approx. 510 x 113 x 354.6 mm	
Mass		Approx. 8.7 kg	
Supplied accessories		Remote commander (RM-PJ8), Battery (CR2025), AC power cord, Operating instructions (CD-ROM), Quick Reference Manual, Warranty card, Security label, Flyers (WEEE) / (EU battery direction), Application software (CD-ROM)	
Battery for the remote commander of the projector	Category / Type/ Number of batteries \ per package	Lithium Battery / CR2025 / 1	

¹ The values are estimates.

² This value is average with lamp dimming.

³ The picture quality may deteriorate when the V Keystone function is used for it is an electrical correction.

⁴ The figures are approximate. They vary depending on the environment or how the projector is used.

FX-Series

XGA resolution replacement models for upgrading your AV projection. For venues requiring brighter projections, the FX-Series delivers powerful performance, optional lenses, multi input / output, longer life and low maintenance.



Model: VPL-FX30/35

Quad Filter System

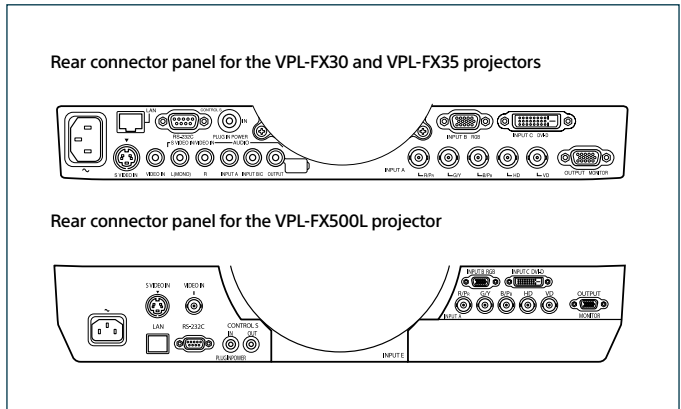
- To extend the cleaning cycle and efficiently trap dust.

One-way airflow intake

- The one-way intake hole keeps all the internal parts clean.


Award winning Blend-in Design

- Combining the best of style and functionality, the FX-Series design is clean and understated, and gives the impression that the projector is blended into the ceiling. The connector panel is placed on the lower front face to hide the connectors and cables from the audience's sight.



PrimeSupportPro

PrimeSupportElite



Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

	PrimeSupportPro		PrimeSupportElite			
Service reference	Included Service PS.VPLB3.123.1		PS.VPL.FC SERIES.2Y	PS.VPL.FC SERIES.3YL	PS.VPL.FC SERIES.5YL	PS.LMP.FC SERIES.2Y
Scope of support	Projector	Lamp	Projector			Lamp
Duration	3 years	1 year or 1000h	+2 years (Total 5 years)	3 years repair & loan	+2 years repair extension & 5 years loan product	+ 2 years or 2000 h (Total 3 years or 3000 h)

FX-Series Optional Accessories

LMP-F330
Replacement projector lamp (FX500L)



PAM-310
Ceiling mount



PSS-650
Projector ceiling bracket (FX30/FX35)



PSS-650P
Projector ceiling bracket (FX30/FX35)



PAM-0.5M
Extension pole & ceiling plate



PAM-1.0M
Extension pole & ceiling plate



PAM-1.5M
Extension pole & ceiling plate





BrightEra™
Long Lasting Optics



		VPL-FX30	VPL-FX35	VPL-FX500L
Display system		3 LCD system		
Display device	Size of effective display area	0.79 inches (20.1 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3		0.99" (25.0 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3
	Number of pixels	2,359,296 (1024 x 768 x 3) pixels		
Projection lens*1	Focus	Manual		Powered / Manual (Depending on lens)
	Zoom - Powered/Manual	Manual		Powered / Manual (Depending on lens)
	Zoom - Ratio	Approx. x 1.6		
	Throw Ratio	1.42:1 to 2.27:1		
Lens shift	Powered/Manual	Manual		Powered / Manual (Depending on lens)
	Range Vertical	+ 51%		-
	Range Horizontal	+/- 33%		-
Light source	Type/Wattage	Ultra high pressure mercury lamp / 230 W type	Ultra high pressure mercury lamp / 275 W type	Ultra high pressure mercury lamp / 330 W type
	System	Twin lamp system		
Recommended lamp replacement time*1	Lamp mode: High	4,000 H	3,000 H	6,000 H (With twin lamp sequence use)
	Lamp mode: Standard	5,000 H	4,000 H	8,000 H (With twin lamp sequence use)
Filter cleaning*2	15000 H Same as the lamp replacement is recommended			
Screen size*1	40" to 600" (1.02 m to 15.24 m) (measured diagonally)			
Light output	Lamp mode: High	4200 lm	5000 lm	7000 lm
	Lamp mode: Standard	3000 lm	4000 lm	5600 lm
Colour light output	Lamp mode: High	4200 lm	5000 lm	7000 lm
	Lamp mode: Standard	3000 lm	4000 lm	5600 lm
Contrast ratio (full white / full black)*3	2000:1		2500:1	
Displayable scanning frequency	Horizontal	14 kHz to 93 kHz		
	Vertical	47 Hz to 93 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots **		Maximum display resolution: UXGA 1600 x 1200 dots**
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p		
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60			
Keystone correction (Max.)	Vertical	+/- 30 degrees		
OSD language	20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi)			
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / YPbPr input connector: 5BNC (female), Audio input connector: Stereo mini jack		RGB / Y PB PR input connector: 5BNC (female)
	INPUT B	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack (shared with INPUT C)		RGB input connector: Mini D-sub 15-pin (female)
	INPUT C	DVI-D input connector: DVI-D 24-pin (Single link), HDCP support, Audio input connector: Stereo mini jack (shared with INPUT B)		DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP
	S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)		S-video input connector: Mini DIN 4-pin
	VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)		Video input connector: BNC
	OUTPUT	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*6: Stereo mini jack (variable out)		Monitor output connector*5: Mini D-sub 15-pin (female)
	REMOTE	RS-232C connector: D-sub 9-pin (female)		
	LAN	RJ-45, 10BASE-T/100BASE-TX		
IR (Control S)	Control S input connector: Stereo mini jack		Control S input connector: Stereo mini jack, Plug in power DC 5V, Control S output connector: Stereo mini jack	
Acoustic noise	Lamp mode: Standard	29 dB	31 dB	
Operating temperature / Operating humidity	0°C to 40°C (32°F to 104°F) / 35% to 85% (no condensation)			
Storage temperature / Storage humidity	-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)			
Power requirements	AC 100 V to 240 V, 3.3 A to 1.3 A, 50/60 Hz		AC 100 V to 240 V, 3.8 A to 1.6 A, 50/60 Hz	AC 100 V to 240 V, 4.8 A to 2.0 A, 50 Hz / 60 Hz
Power consumption	AC 100 V to 120 V	Lamp mode: High : 330 W	Lamp mode: High : 380 W	Lamp mode: High: 480 W
	AC 220 V to 240 V	Lamp mode: High : 310 W	Lamp mode: High : 360 W	Lamp mode: High: 460 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.2 W (when "Standby mode" is set to "Low")		0.1 W (when "Standby mode" is set to "Low")
	AC 220 V to 240 V	0.3 W (when "Standby mode" is set to "Low")		0.2 W (when "Standby mode" is set to "Low")
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	11.0 W (LAN) (when "Standby Mode" is set to "Standard")		13.0 W (LAN) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	12.0 W (LAN) (when "Standby Mode" is set to "Standard")		
Standby Mode / Networked Standby Mode Activated	After about 10 Minutes			
Heat dissipation	AC 100 V to 120 V	1126 BTU/h	1297 BTU/h	1638 BTU/h
	AC 220 V to 240 V	1058 BTU/h	1228 BTU/h	1569 BTU/h
Dimensions (W x H x D) (without protrusions)	Approx. 390 x 134 x 463 mm (15 11/32 x 5 9/32 x 18 7/32 inches)		Approx. 530 x 204 x 545 mm (20 7/8 x 8 1/32 x 21 15/32 inches)	
Mass	Approx. 7.9 kg (17 lb)		Approx. 8.0 kg (17 lb)	
Supplied accessories	Remote commander (RM-PJ19)			

*1 With supplied standard lens. | *2 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *3 The value is average. | *4 Available for VESA Reduced Blanking signal. | *5 From INPUT A and INPUT B. | *6 Works as an audio switcher function. Output from a selected channel; not available in standby.

For full product specifications and features please visit
pro.sony.eu/installation

F-Series Lamp projectors

WUXGA and WXGA resolution for the most demanding venues that require the highest resolutions, brightest projections and highly sophisticated features. The F-Series delivers powerful performance, optional lenses, longer life and low maintenance.



Model: VPL-FH60/65

Edge-Blend and Warp capabilities

- Built-in GUI and PC software for multi projector image blending with warping.

Reality creation

- Clarity in every pixel. Sony's process technology and proprietary algorithm creates pixel mapping that is as close to the original as you can get. (VPL-FW60/65 and VPL-FH60/56 projectors)

DICOM capabilities

- Display X-ray and MRI images that conform to GSDF (Grayscale Standard Display Function).

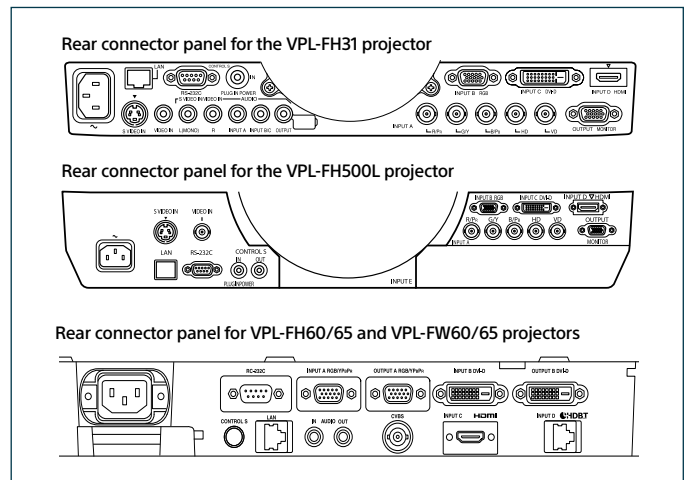
Side by Side content

- Displays two different images / content from two different input sources.


Twin Lamp System

- Two lamps, redundancy for a fail safe system. The VPL-FH500L will never be down due to lamp failure.

Black and Lensless models now available



PrimeSupportPro
PrimeSupportElite



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	PrimeSupportPro		PrimeSupportElite			
	Service reference	Included Service PS.VPLB3.123.1	PS.VPL.FCSERIES.2Y	PS.VPL.FCSERIES.3YL	PS.VPL.FCSERIES.5YL	PS.LMP.FCSERIES.2Y
Scope of support	Projector	Lamp	Projector			Lamp
Duration	3 years	1 years or 1000 h	+2 years (Total 5 years)	3 years repair & loan	+2 years repair extension & 5 years loan product	+ 2 years or 2000 h (Total 3 years or 3000 h)

For full product specifications and features please visit pro.sony.eu/installation



		VPL-FW60	VPL-FW65	VPL-FH31
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.76" (19.3 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels		6,912,000 (1920 x 1200 x 3) pixels
Projection lens*1	Focus	Powered		Manual
	Zoom - Powered/Manual	Powered (Approx. 1.6 x)		Manual
	Zoom - Ratio	-		Approx. x 1.6
	Throw Ratio	1.39:1 to 2.23:1		1.39:1 to 2.23:1
Lens shift	Powered/Manual	Powered		Manual
	Range Vertical	-5.0%, +60%		+60%
	Range Horizontal	+/- 32%		
Light source	Type/Wattage	Ultra high pressure mercury lamp		Ultra high pressure mercury lamp / 330 W type
	System	280 W type	370 W type	330 W type
Recommended lamp replacement time*2	Lamp mode: High	3,000 H		
	Lamp mode: Standard	4,000 H		
Filter cleaning*2	20000 H		15000 H Same as the lamp replacement is recommended	
Screen size*1	40" to 600" (1.02 m to 15.24 m) (measured diagonally)			
Light output	Lamp mode: High	5200 lm	6300 lm	4300 lm
	Lamp mode: Standard	3400 lm	4780 lm	3400 lm
Colour light output	Lamp mode: High	5200 lm	6300 lm	4300 lm
	Lamp mode: Standard	3400 lm	4780 lm	3400 lm
Contrast ratio (full white / full black)*3	-			
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		14 kHz to 93 kHz
	Vertical	48 Hz to 92 Hz		47 Hz to 93 Hz
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots **		Maximum display resolution: 1920 x 1200 dots **
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60P, 1080/50p, 1080/24p		NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p
Colour system	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60			
Keystone correction (Max.)	Vertical	+/- 30 degrees		
	Horizontal	+/- 30 degrees		
OSD language	24-language (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		23-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Indonesian, Finnish, Hungarian)	
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack		RGB / Y PB PR input connector: 5BNC (female), Audio input connector: Stereo mini jack
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with INPUT A		RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack (shared with INPUT C)
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support		DVI-D input connector: DVI-D 24-pin (Single link), HDCP support, Audio input connector: Stereo mini jack (shared with INPUT B)
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)		HDMI input connector: HDMI 19-pin, HDCP support
	S VIDEO IN	-		S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)
	VIDEO IN	Video input connector: BNC Audio input connector: Shared with INPUT A		Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)
	OUTPUT A	Monitor output for INPUT A connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack		Monitor output connector**5: Mini D-sub 15-pin (female), Audio output connector**6: Stereo mini jack (variable out)
	OUTPUT B	Monitor output for INPUT B connector: DVD-D 24-pin (single link), HDCP not supported Audio output Monitor out connector: Stereo mini jack		-
	REMOTE	D-sub 9-pin (male) / RS232C		RS-232C connector: D-sub 9-pin (female)
	LAN	RJ45, 10BASE-T/100BASE-TX		RJ-45, 10BASE-T/100BASE-TX
IR (Control S)	Stereo mini jack, Plug in power DC5V		Control S input connector: Stereo mini jack	
Acoustic noise (Lamp mode: Standard)	28 dB		30 dB	
Operating temperature / Operating humidity	0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)			
Storage temperature / Storage humidity	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)			
Power requirements	AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz		AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz	
	AC 100 V to 120 V	Lamp mode: High: 416 W	Lamp mode: High: 470 W	
Power consumption (Lamp mode: High)	AC 220 V to 240 V	Lamp mode: High: 404 W	Lamp mode: High: 455 W	
	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")		0.2 W (when "Standby mode" is set to "Low")
Power Consumption (Standby Mode)	AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")		0.3 W (when "Standby mode" is set to "Low")
	AC 100 V to 120 V	15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		9.2 W (LAN) (when "Standby Mode" is set to "Standard")
Power Consumption (Networked Standby Mode)	AC 220 V to 240 V	13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		10.4 W (LAN) (when "Standby Mode" is set to "Standard")
	AC 100 V to 120 V	1419 BTU/h		1365 BTU/h
Standby Mode / Networked Standby Mode Activated	AC 100 V to 120 V	1604 BTU/h		1297 BTU/h
	AC 220 V to 240 V	1378 BTU/h		
Heat dissipation	AC 100 V to 120 V	460 x 169 x 515 mm		Approx. 390 x 134 x 463 mm
	AC 220 V to 240 V	18 1/8 x 6 21/32 x 20 9/32 inches		(15 11/32 x 5 9/32 x 18 7/32 inches)
Dimensions (W x H x D) (without protrusions)	460 x 169 x 515 mm		460 x 169 x 515 mm	
Mass	Approx. 13 kg (28 lb)		Approx. 13 kg (28 lb)	
Supplied accessories	RM-PJ27		Remote commander (RM-PJ19)	
Optional accessories	VPLL-3003 / 3007 / Z3009/ Z3024 / Z3032			

For full product specifications and features please visit pro.sony.eu/installation



BrightEra™
Long Lasting Optics



		VPL-FH60	VPL-FH65	VPL-FH500L
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.95" (24.1 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels		
Projection lens*1	Focus	Powered		Powered / Manual (Depending on lens)
	Zoom - Powered/Manual	Powered		Powered / Manual (Depending on lens)
	Zoom - Ratio	Powered (Approx. 1.6 x)		-
	Throw Ratio	1.39:1 to 2.23:1		-
Lens shift	Powered/Manual	Powered		Powered / Manual (Depending on lens)
	Range Vertical	-5%, +60%		-
	Range Horizontal	+/- 32%		-
Light source	Type/Wattage	High pressure mercury lamp / 280 W type	High pressure mercury lamp / 370 W type	Ultra high pressure mercury lamp / 330 W type
	System	-		Twin lamp system
Recommended lamp replacement time*2	Lamp mode: High	3,000 H		6,000 H (With twin lamp sequence use)
	Lamp mode: Standard	4,000 H		8,000 H (With twin lamp sequence use)
Filter cleaning*2		20,000 H		Same as the lamp replacement
Screen size*1		40" to 600" (1.02 m to 15.24 m) (measured diagonally)		
Light output	Lamp mode: High	5000 lm	6000 lm	7000 lm
	Lamp mode: Standard	3200 lm	4400 lm	5600 lm
Colour light output	Lamp mode: High	5000 lm	6000 lm	7000 lm
	Lamp mode: Standard	3200 lm	4400 lm	5600 lm
Contrast ratio (full white / full black)*3		2000:1		2500:1
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		14 kHz to 93 kHz
	Vertical	48 kHz to 92 kHz		47 Hz to 93 Hz
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots **		Maximum display resolution: UXGA 1600 x 1200 dots**
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal only; 1080/60p, 1080/50p, 1080/24p		NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p, 1080/30p**
Colour system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		+/- 5 degrees
	Horizontal	+/- 30 degrees		-
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)
INPUT OUTPUT (Computer / Video / Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack		RGB / Y PB PR input connector: 5BNC (female)
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support, Audio input connector: Shared with Input A		RGB input connector: Mini D-sub 15-pin (female)
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support, Audio input connector: HDMI Audio Support		DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)		HDMI input connector: HDMI 19-pin, HDCP support
	S VIDEO IN	Video input connector: BNC, Audio input connector: Shared with input A		S-video input connector: Mini DIN 4-pin
	VIDEO IN	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack-		Video input connector: BNC
	OUTPUT	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output, Monitor out connector: Stereo mini jack		Monitor output connector*5: Mini D-sub 15-pin (female)
	REMOTE	D-sub 9-pin (male) / RS232C		RS-232C connector: D-sub 9-pin (female)
	LAN	RJ45, 10BASE-T/100BASE-TX		
	IR (Control S)	Control S input connector: Stereo mini jack Plug in power DC 5V,		Control S input connector: Stereo mini jack, Plug in power DC 5V, Control S output connector: Stereo mini jack
Acoustic noise (Lamp mode: Standard)		28 dB		-
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)		0°C to 40°C (32°F to 104°F) / 35% to 85% (no condensation)
Storage temperature / Storage humidity		-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)		-20°C to +60°C (-4°F to +140°F) / 10% to 90% (no condensation)
Power requirements		AC 100 V to 240 V, 4.3A to 1.8A, 50 Hz / 60 Hz	AC 100 V to 240 V, 5.0A to 2.1A, 50 Hz / 60 Hz	AC 100 V to 240 V, 4.8 A to 2.0 A, 50 Hz/60 Hz
Power consumption (Lamp mode: High)	AC 100 V to 120 V	Lamp mode: High/Standard: 429 /268 W	Lamp mode: High/Standard: 498/346 W	Lamp mode: High: 490 W
	AC 220 V to 240 V	Lamp mode: High/Standard:: 416/261 W	Lamp mode: High/Standard: 483 /337 W	Lamp mode: High: 460 W
Power Consumption (Standby Mode)	AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")		0.1 W (when "Standby mode" is set to "Low")
	AC 220 V to 240 V			0.2 W (when "Standby mode" is set to "Low")
Power Consumption (Networked Standby Mode)	AC 100 V to 120 V	15.0 W (LAN) / 15.0 W (HDBaseT) /15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		11.0 W (LAN) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	13.3 W (LAN) / 13.3 W (HDBaseT)13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		10.0 W (LAN) (when "Standby Mode" is set to "Standard")
Heat dissipation	AC 100 V to 120 V	1464 BTU/h	1699 BTU/h	1672 BTU/h
	AC 220 V to 240 V	1419 BTU/h	1648 BTU/h	1569 BTU/h
Dimensions (W x H x D) (without protrusions)		Approx. 460 x 169 x 515 mm (18 1/8 x 6 21/32 x 20 9/32 inches)		Approx. 530 x 204 x 545 mm (20 7/8 x 8 1/32 x 21 15/32 inches)
Mass		Approx. 13 kg (28 lb)		
Supplied accessories		RM-PJ27 Remote RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal (1)RM-PJ27 Remote Commander (1), Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal, Size AA (R6) batteries (2), AC Power Cord (1), Plug holder (1), Terminal Cover (1), Quick Reference Manual (1), Operating Instructions (CD-ROM) (1)		

*1 With supplied standard lens. | *2 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. | *3 The value is average. | *4 Available for VESA Reduced Blanking signal. | *5 From INPUT A and INPUT B. | *6 Works as an audio switcher function. Output from a selected channel; not available in standby. | *7 Available via BKM-FW16.

For full product specifications and features please visit
pro.sony.eu/installation

F-Series Laser projectors

Sony's flagship laser projectors for larger and more demanding venues requiring the best in technology, resolution and highly sophisticated features. Delivers powerful performance, optional lenses, up to 20,000 hours of life and attractive TCO.



Model: VPL-FHZ57/60/65/FWZ60/65

Laser light projectors with Sony 3LCD BrightEra™ Panel Technology

- In a world first, Sony has combined a highly efficient laser light source with 3LCD BrightEra™ technology. This unique combination delivers exceptionally bright, high contrast pictures with excellent colour accuracy and stability, plus high efficiency and significantly greater durability for reduced lifetime ownership costs.

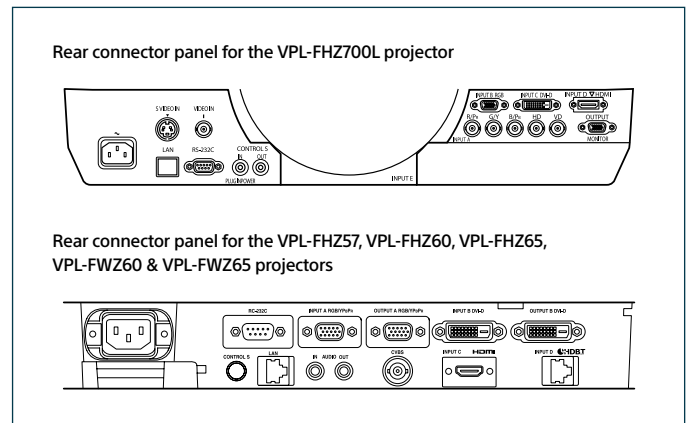
Reality Creation

- Clarity in every pixel. Sony's process technology and proprietary algorithm creates pixel mapping that is as close to the original as you can get. (VPL-FHZ57, FHZ60, FHZ65 and VPL-FWZ60 FWZ65)

Contrast Enhancer

- Analyses every image to make dark scenes darker and light scenes brighter to create even better contrast. (VPL-FHZ57, FHZ60, FHZ65 and VPL-FWZ60 FWZ65)

Black and Lensless models now available



PrimeSupportPro
PrimeSupportElite

Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

	PrimeSupportPro			PrimeSupportElite			
Service reference	Included Service PSP.LASERPROJ.5	PSP.LPROJHVY.5		PSP.LPROJ.5YL		PSP.LPROJHVY.5YL	
Scope of support	Laser Projector	Projector	Laser	Projector	Laser	Projector	Laser
Duration	5 years or 12000 hours	5 years	20000 hours	5 years	12,000 hours with loan unit	5 years	20,000 hours with loan unit

For full product specifications and features please visit pro.sony.eu/laser



3D Plan



Plan



		VPL-FWZ60	VPL-FWZ65	VPL-FHZ57
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		
	Number of pixels	3,072,000 (1280 x 800 x 3) pixels		6,912,000 (1920 x 1200 x 3) pixels
Projection lens*1	Focus	Powered		
	Zoom – Powered/Manual	Powered		
	Zoom – Ratio	Approx. x 1.6		
	Throw ratio	1.39:1 to 2.23:1		
	Lens shift – Powered/Manual	Powered		
	Lens shift – Range Vertical	-5%, +60%		-5% / +60% ¹⁵
Lens shift – Range Horizontal	+/- 32%		+/- 32% ¹⁵	
Light source	Type	Laser diode		
Filter cleaning*2	Filter cleaning (Max.)	20,000 H		20,000 H
Screen size	Screen size (measured diagonally)	40" to 600" (1.02 m to 15.24 m) (measured diagonally)		
Light output	Mode: High	5000 lm	6000 lm	4100 lm
	Mode: Standard	3500 lm	4000 lm	3000 lm
Color light output	Mode: High	5000 lm	6000 lm	4100 lm
	Mode: Standard	3500 lm	4000 lm	3000 lm
Contrast ratio (full white / full black)*3		10000:1		
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		
	Vertical	48 Hz to 92 Hz		
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots ¹⁴	Maximum display resolution: 1280 x 800 dots ¹⁴	Maximum display resolution: 1920 x 1200 dots ¹⁴
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60p, 1080/50p, 1080/24p		
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		
	Horizontal	+/- 30 degrees		
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		
INPUT OUTPUT (Computer/ Video/Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin (female) Audio input connector: Stereo mini jack		
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with input A		
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support		
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)		
	INPUT E	-		
	VIDEO IN	Video input connector: BNC Audio input connector: Shared with input A		
	OUTPUT A	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack		
	OUTPUT B	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output, Monitor out connector: Stereo mini jack		
	REMOTE	D-sub 9-pin (male) / RS232C		
	LAN	RJ45, 10BASE-T/100BASE-TX		
IR (Control S)	Stereo mini jack, Plug in power DC5V			
Acoustic noise	Mode: Standard	28 dB		32 dB
Operating temperature / Operating humidity		0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)		
Storage temperature / Storage humidity		-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)		-20°C to +60°C / -4°F to +140°F / 20% to 80% (no condensation)
Power requirements		AC 100 V to 240 V, 5.5 A to 2.3 A, 50 Hz / 60 Hz		AC 100 V to 240 V, 50 Hz / 60 Hz
Power consumption	AC 100 V to 120 V	Mode: High: 383 W	Mode: High: 464 W	Lamp mode: High: 370 W
	AC 220 V to 240 V	Mode: High: 372 W	Mode: High: 453 W	Lamp mode: High: 355 W
Power consumption (Standby Mode)	AC 100 V to 120 V	0.5W (when "Standby mode" is set to "Low")		
	AC 220 V to 240 V	0.5W (when "Standby mode" is set to "Low")		
Power consumption (Networked Standby Mode)	AC 100 V to 120 V	15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		
	AC 220 V to 240 V	13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		
Standby Mode / Networked Standby Mode Activated		Approx. 10 Minutes		
Heat dissipation	AC 100 V to 120 V	1307 BTU/h	1583 BTU/h	1262 BTU/h
	AC 220 V to 240 V	1269 BTU/h	1546 BTU/h	1211 BTU/h
Dimensions (W x H x D) (without protrusions)		Approx. 460 x 169 x 515 mm, 18 1/8 x 6 21/32 x 20 9/32 inches		
Mass		16 kg (34 lb)		
Supplied accessories	Remote commander	RM-PJ27		
Optional accessories		VPLL-3003 / 3007 / Z3009 / Z3024 / Z3032		PAM 310 PAM-0.5M / PAM-1.0M / PAM-1.5M



		VPL-FHZ60	VPL-FHZ65	VPL-FHZ700L
Display system		3 LCD system		
Display device	Size of effective display area	0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10		0.95" (24.1 mm) x 3 BrightEra LCD Panel, Aspect ratio 16:10
	Number of pixels	6,912,000 (1920 x 1200 x 3) pixels		
Projection lens	Focus	Powered		Powered/manual (depending on lens)
	Zoom – Powered/Manual	Powered		Powered/manual (depending on lens)
	Zoom – Ratio	Approx. x 1.6		Powered/manual (depending on lens)
	Throw ratio	1.39:1 to 2.23:1		Depends on optional lens
	Lens shift – Powered/Manual	Powered		Depends on optional lens
	Lens shift – Range Vertical	-5% / +60% ^{*5}		Depends on optional lens
	Lens shift – Range Horizontal	+/- 32% ^{*5}		Depends on optional lens
Light source	Type	Laser diode		
Filter cleaning ^{*2}	Filter cleaning (Max.)	20,000 H		
Screen size ^{*1}	Screen size (measured diagonally)	40" to 600" (1.02 m to 15.24 m)		
Light output	Mode: High	5000 lm	6000 lm	7000 lm
	Mode: Standard	3500 lm	4000 lm	5600 lm
Color light output	Mode: High	5000 lm	6000 lm	7000 lm
	Mode: Standard	3500 lm	4000 lm	5600 lm
Contrast ratio (full white / full black) ^{*3}		10000:1		8000:1
Displayable scanning frequency	Horizontal	15 kHz to 92 kHz		14 kHz to 93 kHz
	Vertical	48 Hz to 92 Hz		47 kHz to 93 kHz
Display resolution	Computer signal input	Maximum display resolution: 1920 x 1200 dots ^{*4}		
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for digital signal (HDMI input) only; 1080/60p, 1080/50p, 1080/24p		NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60		
Keystone correction (Max.)	Vertical	+/- 30 degrees		
	Horizontal	+/- 30 degrees		
OSD language		24-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)		
INPUT OUTPUT (Computer/Video/Control)	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15 pin (female) Audio input connector: Stereo mini jack		RGB / Y PB PR input connector: 5BNC (female)
	INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with input A		RGB input connector: Mini D-sub 15 pin female
	INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support		DVI-D input connector: DVI-D 24-pin (Single link), supported HDCP
	INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)		HDMI input connector: HDMI 19-pin, HDCP support, Digital RGB / Y PB PR / Y CB CR
	INPUT E			Optional adaptor slot (For HDBaseT and 3G-SDI Adaptor BKM-PJ10 & BKM-PJ20)
	VIDEO IN	Video input connector: BNC Audio input connector: Shared with input A		Video input connector: BNC
	OUTPUT A	Monitor output for Input A Connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack		Monitor output connector: Mini D-sub 15-pin (female)
	OUTPUT B	Monitor output for Input B Connector: DVI-D 24-pin (single link), HDCP not supported Audio output, Monitor out connector: Stereo mini jack		
REMOTE	RS-232C connector: D-sub 9-pin (male)		RS-232C connector: D-sub 9-pin (female)	
LAN	RJ45, 10BASE-T/100BASE-TX		RJ45, 10BASE-T/100BASE-TX	
IR (Control S)	Stereo mini jack, Plug in power DC5V			
Acoustic noise	Mode: High	34 dB		39 dB
	Mode: Low	28 dB		33 dB
Operating temperature / Operating humidity		0°C to 40°C / 32°F to 104°F / 20% to 80% (no condensation)		0°C to 40°C / 32°F to 104°F / 35% to 85% (no condensation)
Storage temperature / Storage humidity		-20°C to +60°C / -4°F to +140°F / 20% to 80% (no condensation)		-20°C to +60°C / -4°F to +140°F / 10% to 90% (no condensation)
Power requirements		AC 100 V to 240 V, 4.5 A to 1.9 A, 50/60 Hz	AC 100 V to 240 V, 5.5 A to 2.3 A, 50/60 Hz	AC 100 V to 240 V, 5.0 A to 2.1 A, 50/60 Hz
Power consumption	AC 100 V to 120 V	Mode: High: 420 W	Mode: High: 509 W	497 W / 404 W
	AC 220 V to 240 V	Mode: High: 408 W	Mode: High: 492 W	476 W / 387 W
Power consumption (Standby Mode)	AC 100 V to 120 V	0.5W (when "Standby mode" is set to "Low")		12.2 W / 0.1 W
	AC 220 V to 240 V	0.5W (when "Standby mode" is set to "Low")		8.4 W / 0.5 W
Power consumption (Networked Standby Mode)	AC 100 V to 120 V	15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		12.2 W (LAN) 13.8 W (optional HDBaseT adaptor) 13.8 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
	AC 220 V to 240 V	13.3 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")		8.4 W (LAN) 10.0 W (optional HDBaseT adaptor) 10.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard")
Heat dissipation	AC 100 V to 120 V	1433 BTU/h		1696 BTU/h
	AC 220 V to 240 V	1393 BTU/h		1679 BTU/h
Dimensions (W x H x D) (without protrusions)		460 x 169 x 515 mm 18 1/8 x 6 21/32 x 20 9/32 inches		Approx. W 530 x H 204 x D 545 mm (W 20 7/8 x H 8 1/32 x D 21 15/32 in)
Mass		16 kg (34 lb)		22 kg / 47 lb
Supplied accessories	Remote commander	RM-PJ27		
Optional accessories		PAM 310		N/A
		PAM-0.5M / PAM-1.0M / PAM-1.5M		N/A

^{*1} With supplied standard lens. | ^{*2} This figure is expected maintenance time, not guaranteed time.
The actual value depends on the environment and how the projector is used. | ^{*3} The value is average.
| ^{*4} Available for VESA Reduced Blanking signal. | ^{*5} Standard lens.

F-Series

Optional Accessories

LMP-F272
(FH31/FX35)
Replacement lamp



LMP-F370
(VPL-FH65)
Replacement lamp



LMP-F280
(VPL-FH60)
Replacement lamp



LMP-F230
(FX30)
Replacement lamp



LMP-F330
(FX500L / FH500L)
Replacement lamp



Ceiling mount and extension poles for VPL-FX30/35, VPL-FW60/65, VPL-FH31/60/65, VPL-FWZ60/65 and VPL-FHZ57/60/65

PAM-310
Ceiling mount



PAM-0.5M
Extension pole
& ceiling plate



PAM-1.0M
Extension pole
& ceiling plate



PAM-1.5M
Extension pole
& ceiling plate



Backward compatibility table for optional lenses (discontinued & current)

Optional Lens	Throw Ratio	Compatible with FHZ55, FH31, FX30, FX35	Compatible with FHZ57/60/65, FWZ60/65, FH60/65 and FW60/65
VPLL-Z1032*	3.18-4.84:1 (WUXGA), 3.24-4.95:1 (XGA)	Yes (+PK-F30LA1)	Yes (+PK-F60LA1)
VPLL-Z1024*	2.34-3.19:1 (WUXGA), 2.38-3.26:1 (XGA)	Yes (+PK-F30LA1)	Yes (+PK-F60LA2)
VPLL-Z2009	0.85-1.0:1 (WUXGA), 0.86-1.01:1 (XGA)	Yes	Yes (+PK-F60LA3)
VPLL-2007	0.65:1 (WUXGA), 0.66:1 (XGA)	Yes	Yes (+PK-F60LA4)
VPLL-Z3032	3.18-4.84:1 (WUXGA), 3.24-4.95:1 (XGA)	Yes (+PK-F30LA1)	Yes
VPLL-Z3024	2.34-3.19:1 (WUXGA), 2.38-3.26:1 (XGA)	Yes (+PK-F30LA1)	Yes
VPLL-Z3009	0.85-1.0:1 (WUXGA)	N/A	Yes
VPLL-3007	0.65:1 (WUXGA)	N/A	Yes
VPLL-3003	0.33:1 (WUXGA)	N/A	Yes

*Discontinued optional lenses

PK-F60LA1
Lens Adaptor



PK-F60LA2
Lens Adaptor



PK-F60LA3
Lens Adaptor



PK-F60LA4
Lens Adaptor



PK-F30LA1
Lens Adaptor



For full product specifications and features please visit pro.sony.eu/installation



F-Series Optional Lenses

Optional bayonet Lenses for VPL-FW60/65, FH60/65 and FHZ57/60/65 projectors.



	VPLL-3003	VPLL-3007	VPLL-Z3009	VPLL-3010	VPLL-Z3024	VPLL-Z3032
WUXGA	0.33:1	0.65:1	0.85 - 1.0	1.0-1.39:1	2.34 - 3.19	3.18 - 4.84

Optional Lenses for FX30, FX35, FH31.



	VPLL-2007	VPLL-Z2009	VPLL-Z3024*	VPLL-Z3032*
WUXGA	0.65:1	0.85 - 1.0	2.34 - 3.19	3.18 - 4.84
XGA	0.66:1	0.86 - 1.01	2.38 - 3.26	3.24 - 4.95

Value Series - Optional Lenses for FX500L, FH500L and FHZ700L.



	VPLL-FM22	VPLL-ZM42	VPLL-ZM102
WUXGA	0.87	1.83 to 2.32	3.28 to 4.83
XGA	0.89	1.87 to 2.30	3.35 to 4.92

Premium Series - Optional Lenses for FX500L, FH500L and FHZ700L.



	VPLL-Z4007	VPLL-4008	VPLL-Z4011	VPLL-Z4015	VPLL-Z4019	VPLL-Z4025	VPLL-Z4045
WUXGA	0.68 - 0.8	1.08	1.38 - 2.06	2.02 - 2.67	2.62 - 3.36	3.30 - 6.11	6.08 - 10.52
XGA	0.69 - 0.81	1.1	1.4 - 2.1	2.06 - 2.72	2.67 - 3.42	3.36 - 6.23	6.19 - 10.72

*Purchase with PK-F30LA1 adapter

For full product specifications and features please visit pro.sony.eu/installation



A smarter way to engage



BRAVIA 4K Professional Displays

Bring the spectacular depth and quality of 4K to your business with the latest range of ultra-slim, energy efficient BRAVIA Professional Displays. Installation friendly and easy to manage, they're ideal for presenting your best image in a wide range of environments, from retail spaces to meeting rooms, lecture theatres and communal areas.



See every detail in 4K

The 4K resolution LCD panel (3840 x 2160 pixels) ensures incredible colour, contrast and realism, with four times the detail of Full HD. All models are HDR compatible, displaying a wider range of brightness levels for a level of detail and realism beyond anything you've seen before.

Superior displays designed for business

Portrait, advanced control, professional mode, optional interactive compatibility, 24/7 operation or an embedded HTML5 platform for easy digital signage creation; our BRAVIA 4K Displays are designed to suit all professional needs.

Personalise BRAVIA your way

BRAVIA suits any business application with a range of personalisation options and built-in solutions, including Touchscreen Solution, Meeting Room solution, Media Player, TDM Digital Signage, Smart Automation, Screen Mirroring and Android Applications Store**.

Highlights

- Brilliant 4K image quality with powerful 4K X1 processor and Reality Creation
- Embedded HTML5 platform for easy digital signage
- Copy custom settings to multiple screens via USB memory
- Slim, stylish and installation friendly with versatile control options
- Touchscreen option
- 24/7 operation and reliable high-brightness panel*

*XE9 models only

**Some solutions may be chargeable

PrimeSupport



PrimeSupportPro

Included at no extra cost for 3 years, **PrimeSupportPro** goes beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if a screen failure is diagnosed, we'll organise a replacement model quickly and efficiently, with free shipping and no hidden costs. Support can also be optionally extended up to 5 years.

For full product specifications and features please visit pro.sony.eu/BRAVIA



		FW-43XE8001	FW-49XE8001	FW-55XE8001	FW-65XE8501	FW-75XE8501	FW-85XD8501
General features	Screen size (diagonal)	43"	49"	55"	65"	75"	85"
	Brightness (cd/m ²)***	440					
	Native contrast ratio	3,500:1			4,000:1		
	Response time (ms)	8					
	Dynamic contrast ratio	over 1 million					
	Display resolution	4K (3840x2160)					
	Compatible with HDR	Yes					
Display features	Aspect ratio	16:9					
	Portrait compatibility	Yes					
	Dimming type	Frame Dimming					
	Display device	LCD					
	Backlight type	Edge LED					
	Operating system	Android 6.0, Marshmallow					
	Processor	X1					
TV system	Operation time	18/7					
	TV Tuner	-	-	-	-	-	DVB-T/T2/C/S/S2
Video specs	Number of tuners	-	-	-	-	-	2
	Wide Mode	Full/Normal/Wide Zoom/Zoom/Caption/14:9 for Video					
	4:3 Default	Yes					
	Video Processing	4K X-Reality PRO					
	Motionflow	Motionflow XR 200Hz				Motionflow XR 800Hz	
	Viewing angle (Right/Left/Up/Down)	178 (89/89/89/89)					
	Video Signal	4096x2160p(24, 50, 60Hz), 3840x2160p(24, 25, 30, 50, 60Hz), 1080p(30, 50, 60Hz), 1080/24p, 1080i(50, 60Hz), 720p(30, 50, 60Hz), 720/24p, 576p, 576i, 480p, 480i					
Audio specs	4K 60P quality format	Up to 18Gbps:4K 60p 4:4:4(8bit), 4:2:2(8,10,12bit), 4:2:0(8,10bit) HDR included for HDMI 2/3					
	Speaker position	Down Firing					
	Audio Power Output	10W+10W					
Professional features	Invisible speaker	Yes					
	Professional Hidden Mode	Yes					
	HDMI auto wake-up	Yes					
	HTML5 platform	Yes					
	Multicast / IPTV	Yes (UDP/RTP)					
	Compatible with TDM Digital Signage	Yes					
	Available storage	16 GB					
Network specs	Compatible TDM content	Customised design, text, pictures, videos, YouTube, traffic, weather, public information, Facebook, Twitter, powerpoint and more.					
	Wi-Fi direct	Yes					
	Wi-Fi Certified	Yes					
	DLNA	Network Client / Network Renderer					
	Miracast	Yes					
	Firmware update	Yes (network or USB)					
	Internet Browser	Yes (Opera)					
Convenience features	Wireless LAN	Integrated					
	USB HDD REC	Yes					
	USB Play (contents)	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD):MPEG2_AVC/MP4(XAVC EG4,HEVC/AVI:Xvid,MotionJpeg/ASF(WMV):VC1(MOV):AVC, MPEG4, MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8,HEVC/WEBM:VP8/3GPP:MPEG4_AVC/MP3/ASF(WMA)/WAV/MP4AAC/FLAC/JPEG					
	On screen clock	Yes					
	Sleep timer	Yes					
	On/Off timer	Yes					
	Google Cast	Yes					
Control specs	IP Control	Yes					
	RS-232C Control	Yes (jack 3.5)					
	HDMI CEC	Yes					
Inputs and outputs	HDCP	2.2(for HDMI1/2/3/4)					
	RF Connection Input(s)	1(Side)					
	Composite Video Input(s)	2 (1Bottom Analog Conversion/1Bottom Hybrid w/Component)			2 (1Side Analog Conversion/1 Rear Hybrid w/Component)		1 (Rear Hybrid w/Component)
	Component Video (Y/Pb/Pr) Input(s)	1 (Bottom Hybrid w/Composite)			1 (Rear Hybrid w/Composite)		
	HDMI™ Connection(s) (Total)	4 (2Side/2Rear)			4 (3Side/1Rear)		4 (outside1_center3)
	Analog Audio Input(s) for HDMI (Total)	2 (1Analog Conversion/1Rear)	1			2 Rear	
	Digital Audio Output(s)	1 (Rear)			1 (Side)		
	Audio Out	1 (Rear/Hybrid w/HP and Subwoofer Out)			1 (Side/Hybrid w/HP and Subwoofer Out)		
	USB	3 (side)			1 (Side)		
	Ethernet Connection(s)	1 (bottom)			1 (side)		
	Design features	Finish (Surface Color)	Black				
Table Top Stand		Included (assembly required)					
VESA® Hole Spacing Compatible		Yes (100 x 200 mm)	Yes (200 x 200 mm)	Yes (300 x 200 mm)	Yes (300 x 300 mm)	Yes (400 x 300 mm)	
Environment specs	Wallmount bracket	SU-WL450/PSE (optional)					
	Light Sensor	Yes					
	Energy Label	A			A+		
	Screen size (measured diagonally)	43"	49"	55"	65"	75"	85"
	Power Consumption (in Standby)	0.5W					
	Power Consumption (in Operation)	70W	85W	106W	114W	130W	168W
	Peak Luminance Ratio	75%	76%		80%		73%
	Lead content	Yes					
	Mercury content (mg)	0					
	Dynamic Backlight Control	Yes					
	Power Saving Mode / Back Light Off Mode	Yes					
Measurements	AC Power Input	AC Adapter			1 (Rear)		
	Display Only (WxHxD) (Approx.)	96.4x56.7x5.7(1.40) cm	109.6x64.0x5.7(1.40) cm	123.2x71.6x5.7(1.40) cm	145.4x84.0x4.4(1.12) cm	167.7x96.8x5.3(1.57) cm	191.7x110.9x7.3(2.00) cm
	Display with Stand (WxHxD) (Approx.)	96.4x61.7x24.2 cm	109.6x69.1x25.2 cm	123.2x77.2x25.2 cm	145.4x90.5x26.6 cm	167.7x103.2x28.4 cm	191.7x118.2x40.2 cm
	Package Carton (WxHxD) (Approx.)	106.0 x 66.4 x 15.6 cm	118.8 x 74.4 x 16.0 cm	133.0 x 82.4 x 16.8 cm	157.0 x 95.1 x 19.6 cm	179.3 x 108.8 x 21.6 cm	209.5 x 124.6 x 40.3 cm
Weight	Display Only	10.1 Kg	12.2 Kg	17.6 Kg	21 Kg	34.1 Kg	60.2 Kg
	Display with Stand	10.8 Kg	12.9 Kg	18.6 Kg	22.1 Kg	35.2 Kg	65.6 Kg
	Package Carton	15 Kg	18 Kg	26 Kg	31 Kg	48 Kg	83 kg
Optional accessories	TDM Digital Signage 1-year license	TDM-DS1Y					
	TDM Digital Signage 3-years license	TDM-DS3Y					
	10 point IR touch overlay	PT-1243-IR10	PT-1249-IR10	PT-1255-IR10	PT-1265-IR10	PT-1275-IR10	PT-1185-IR10
	10 point Capacitive touch overlay	PT-1243-CA10	PT-1249-CA10	PT-1255-CA10	PT-1265-CA10	PT-1275-CA10	-
	Front-cover	PT-1143-FC	PT-1149-FC	PT-1155-FC	PT-1165-FC	PT-1175-FC	-
	Back-cover	PT-1143-BC	PT-1149-BC	PT-1155-BC	PT-1165-BC	-	-
	Wallmount bracket	SU-WL450/PSE			SU-WL500/PSE		SU-WL500
	Kiosk housing	PT-KIOSK-4065			-		PT KIOSK 4065
	Electric High-Low Lift	PT-LIFTHL-4075					
	Non-Touch totem	PT-TOT43-NT	PT-TOT49-NT	PT-TOT55-NT	PT-TOT65-NT	PT-TOT75-NT	-
	Interactive totem	PT-TOT43-CA10	PT-TOT49-CA10	PT-TOT55-CA10	PT-TOT65-CA10	PT-TOT75-CA10	-
VGA to HDMI cable	CAB-VGAHDMI1						
RS232 jack cable	CAB-RSJA1						
Service and Warranty	Standard Warranty	3 Years with Advanced Exchange					
	5 Years Warranty with Advanced Exchange (option)	PSP.FW-4K.43.5	PSP.FW-4K.49.5	PSP.FW-4K.55.5	PSP.FW-4K.65.5	PSP.FW-4K.75.5	PSP.FW-4K.85.5

*** Typical value of panel spec



		FW-49XE9001	FW-55XE9001	FW-65XE9001	FW-75XE9001	FWD-100ZD9501
General features	Screen size (diagonal)	49"	55"	65"	75"	100"
	Brightness (cd/m ²)***		560		650	Up to 2,000 cd/m ² *
	Native contrast ratio		5,000:1		4,000:1	5,000:1
	Response time (ms)			6		4
	Dynamic contrast ratio			over 1 million		
	Display resolution			4K (3840x2160)		
	Compatible with HDR			Yes		
	Aspect ratio			16:9		
	Portrait compatibility			Yes		
	Display features	Dimming type			Local Dimming	
Display device				LCD		
Backlight type				Direct LED		
Operating system				Android 6.0, Marshmallow		
Processor			X1			X1 Extreme
TV system	Operation time		24/7			17/7
	TV Tuner			DVB-T/T2/C/S/S2		
Video specs	Number of tuners			2		
	Wide Mode			Full/Normal/Wide Zoom/Zoom/Caption/14:9 for Video		
	4:3 Default			Yes		
	Video Processing			4K X-Reality PRO		
	Motionflow	Motionflow XR 200Hz		Motionflow XR 800Hz		Motionflow XR 1200Hz
	Triluminos			Yes		
	Viewing angle (Right/Left/Up/Down)			178 (89/89/89/89)		
Audio specs	Video Signal	4096x2160p(24, 50, 60Hz), 3840x2160p(24, 25, 30, 50, 60Hz), 1080p(30, 50, 60Hz), 1080/24p, 1080i(50, 60Hz), 720p(30, 50, 60Hz), 720/24p, 576p, 576i, 480p, 480i				
	4K 60P quality format	Up to 18Gbps:4K 60p 4:4:4(8bit), 4:2:2(8,10,12bit), 4:2:0(8,10bit) HDR included for HDMI 1/2/3/4				
	Speaker position			Down Firing		
	Audio Power Output		10W+10W		7.5W+7.5W+7.5W+7.5W	10W+10W
Professional features	Invisible speaker			Yes		
	Professional Hidden Mode			Yes		
	HDMI auto wake-up			Yes		
	HTML5 platform			Yes		
	Multicast / IPTV			Yes (UDP/RTP)		
	Compatible with TDM Digital Signage			Yes		
	Available storage			16 GB		
Network specs	Compatible TDM content	Customised design, text, pictures, videos, YouTube, traffic, weather, public information, Facebook, Twitter, powerpoint and more.				
	Wi-Fi direct			Yes		
	Wi-Fi Certified			Yes		
	DLNA			Network Client / Network Renderer		
	Miracast			Yes		
	Firmware update			Yes (network or USB)		
Convenience features	Internet Browser			Yes (Opera)		
	Wireless LAN			Integrated		
	USB HDD REC			Yes		
	USB Play (contents)	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV AVCHD):MPEG2_AVC/MP4(XAVC EG4.HEVC/AVI:Xvid,MotInJpeg/ASF(WMV):VC1/MOV:AVC, MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/WAV/MP4AAC/FLAC/JPEG				
	On screen clock			Yes		
Control specs	Sleep timer			Yes		
	On/Off timer			Yes		
	Google Cast			Yes		
	IP Control			Yes		
Inputs and outputs	RS-232C Control			Yes (jack 3.5)		Yes (optional accessory)
	HDMI CEC			Yes		
	HDCP			2.2 (for HDMI1/2/3/4)		
	RF Connection Input(s)			1 (Side)		
	Composite Video Input(s)		2 (1 Side Analog Conversion/1 Rear Hybrid w/Component)			1 (Side Analogue Conversion)
	Component Video (Y/Pb/Pr) Input(s)		1 (Rear Hybrid w/Composite)			-
	HDMI™ Connection(s) (Total)		4 (3 Side/1 Rear)			4 (outside 1, center 3)
	Analog Audio Input(s) for HDMI (Total)		1			2 (1Analog Conversion/1Rear)
	Digital Audio Output(s)		1 (Rear)			1 (Side)
	Audio Out			1 (Side/Hybrid w/HP and Subwoofer Out)		
Design features	USB			3 (side)		
	Ethernet Connection(s)			1 (side)		
	Finish (Surface Color)			Black		
	Table Top Stand			Included (assembly required)		
Environment specs	VESA® Hole Spacing Compatible	Yes (200 x 200 mm)	Yes (300 x 300 mm)		Yes (400 x 400 mm)	Yes
	Wallmount bracket		SU-WL450/PSE (optional)		SU-WL500/PSE (optional)	
	Light Sensor			Yes		
	Energy Label	B		A		B
Measurements	Screen size (measured diagonally)	49"	55"	65"	75"	100"
	Power Consumption (in Standby)			0.5W		
	Power Consumption (in Operation)	102W	109W	129W	182W	413W
	Peak Luminance Ratio	78%	78%	79%	77%	-
	Lead content			Yes		
	Mercury content (mg)			0.0		
	Dynamic Backlight Control			Yes		
	Power Saving Mode / Back Light Off Mode			Yes		
	AC Power Input		AC Adapter			1 (REAR)
	Display Only (WxHxD) (Approx.)	109.3 x 63.1 x 6.2 cm	122.8 x 70.7 x 6.0 cm	144.7 x 83.0 x 6.0 cm	167.4 x 95.9 x 6.6 cm	225.8 x 130.3 x 9.8 cm
Weight	Display with Stand (WxHxD) (Approx.)	109.3 x 68.5 x 23.6 cm	122.8 x 77.2 x 25.9 cm	144.7 x 89.5 x 25.9 cm	167.4 x 102.1 x 29.6 cm	225.8 x 139.3 x 50.4 cm
	Package Carton (WxHxD) (Approx.)	134.7 x 74.9 x 17.4 cm	133.4 x 83.1 x 19.6 cm	155.3 x 95.5 x 19.1 cm	178.0 x 108.2 x 19.5 cm	245.0 x 165.7 x 76.0 cm
	Display Only	12.6 Kg	16.9 Kg	22 Kg	33.2 Kg	118.6 Kg
Optional accessories	Display with Stand	13.8 Kg	18.1 Kg	23.2 Kg	35 Kg	132.3 Kg
	Package Carton	20 Kg	27 Kg	33 Kg	47 Kg	495.6 Kg
	TDM Digital Signage 1-year license			TDM-DS1Y		
	TDM Digital Signage 3-years license			TDM-DS3Y		
	10 point IR touch overlay	PT-1249-IR10	PT-1255-IR10	PT-1265-IR10	PT-1275-IR10	PT-11100-IR10
	10 point Capacitive touch overlay	PT-1249-CA10	PT-1255-CA10	PT-1265-CA10	PT-1275-CA10	-
	Front-cover	PT-1149-FC	PT-1155-FC	PT-1165-FC	PT-1175-FC	
	Back-cover	PT-1149-BC	PT-1155-BC	PT-1165-BC	-	
	Wallmount bracket		SU-WL450/PSE			SU-WL500/PSE
	Kiosk housing		PT-KIOSK-4065		-	PT-KIOSK-4065
Service and Warranty	Electric High-Low Lift			PT-LIFTHL-4075		
	Non-Touch totem	PT-TOT49-NT	PT-TOT55-NT	PT-TOT65-NT	PT-TOT75-NT	-
	Interactive totem	PT-TOT49-CA10	PT-TOT55-CA10	PT-TOT65-CA10	PT-TOT75-CA10	-
	VGA to HDMI cable			CAB-VGAHDMI1		
	RS232 jack cable			CAB-RSJA1		
	Standard Warranty			3 Years with Advanced Exchange		
5 Years Warranty with Advanced Exchange (option)	PSP.FW-4K.49.5	PSP.FW-4K.55.5	PSP.FW-4K.65.5	PSP.FW-4K.75.5	PSP.FW-4K.100.5	

*5V source detection

*** Typical value of panel spec



VGA to HDMI cable
CAB-VGAHDMI1



RS232 jack cable
CAB-RSJA1



TDM digital signage software licenses
TDM-DS1Y: 1 year
TDM-DS3Y: 3 years



Kiosk housing
PT-KIOSK-4065



Electrical lift
PT-LIFTHL-4075



Wall mount
SU-WL450/PSE



Wall mount for portrait use
SU-WL500/PSE



Totems



Touch overlays



Back cover accessories



For full product specifications and features please visit
pro.sony.eu/BRAVIA



PrimeSupportPro

Included at no extra cost for 3 years, **PrimeSupportPro** goes beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if a screen failure is diagnosed, we'll organise a replacement model quickly and efficiently, with free shipping and no hidden costs. Support can also be optionally extended up to 5 years.

4K XE8000 series	PrimeSupportPro					
Service reference	Included Service PS.B2B.3	PSP.FW-4K.43.5	PSP.FW-4K.49.5	PSP.FW-4K.55.5	PSP.FW-4K.65.5	PSP.FW-4K.75.5
Screen type & size	All	FW-43XE8001	FW-49XE8001	FW-55XE8001	FW-65XE8501	FW-75XE8501
Duration	3 years	2 years extension (total 5 years)	2 years extension (total 5 years)	2 years extension (total 5 years)	2 years extension (total 5 years)	2 years extension (total 5 years)
4K XE9000 series	PrimeSupportPro					
Service reference	Included Service PS.B2B.3	PSP.FW-4K.49.5	PSP.FW-4K.55.5	PSP.FW-4K.65.5	PSP.FW-4K.75.5	
Screen type & size	All	FW-49XE9001	FW-55XE9001	FW-65XE9001	FW-75XE9001	
Duration	3 years	2 years extension (total 5 years)	2 years extension (total 5 years)	2 years extension (total 5 years)	2 years extension (total 5 years)	
4K BRAVIA 85" & 100"	PrimeSupportPro					
Service reference	Included Service PS.B2B.3	PSP.FW-4K.85.5			PSP.FW-4K.100.5	
Screen type & size	All	FW-85XD8501			FWD-100ZD9501	
Duration	3 years	2 years extension (total 5 years)			2 years extension (total 5 years)	

For full product specifications and features please visit pro.sony.eu/BRAVIA





Visual Imaging Cameras

Sony's professional video conferencing systems and Full HD visual imaging cameras take your communications to a new level. Unite everyone in your organisation with multi-point virtual meetings, share video, voice and PC presentations, effortlessly, for truly global collaboration.

Visual Imaging Cameras

Smooth, silent operation combined with a powerful zoom range: you'll capture every presenter and contributor in crisp, high definition with our PTZ colour cameras. The SRGs feature Sony's unique View-DR and XDNR technology, ensuring complete clarity even in very poor light. Control is easy, over standard IP networks with intuitive PC software, including the option to stream content over the internet (SRG-300SE).

Highlights

- Powerful 30x optical zoom (SRG-300H and SRG-300SE)
- View-DR and XDNR – unique Sony technologies for clarity in poor light (SRG range)
- IP streaming – stream (live or recorded) conferences, lectures and events (SRG-300SE & SRG-360SHE)

Video Conference

Sony's video conferencing systems empower effective communication for business, distance learning, remote consulting and more. With desktop and portable options, mobile integration and wireless connectivity, they're easy to use and enable sharing of video and PC presentation across multiple sites.

Highlights

- Up to 9-point MCU – connect as many as nine conferences with the PCS-XG100H
- Record – share video and presentations so more people can benefit
- HD and Full HD options, all with clear, sharp audio
- Wireless connectivity (PCS-XC1)

PrimeSupport



PrimeSupport Pro

Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if you do need repairs, we'll organise things quickly and efficiently, with free shipping and no hidden costs.

PrimeSupport Elite

If you're looking for even more peace of mind, upgrading to **PrimeSupportElite** could be the option for your business. We'll keep you up and running with our fast-track repair service that includes all shipping costs. And – depending on your product – we may offer to loan a replacement unit* while yours is being repaired.

For full product specifications and features please visit pro.sony.eu/visual-comms



Camera (SRG-120DH)	
Image Sensor	1/2.8-type "Exmor" CMOS image sensor
Output Pixels (H x V)	1920 x 1080
Frame Rate	59.94 fps
S/N Ratio	50 dB
Brightness Control	Auto/Manual
Zoom Ratio	x144 zoom (12X optical zoom, 12X digital zoom)
Focusing System	Auto/Manual
Horizontal Viewing Angle	Approx. 71°
Focal Length	f = 3.9 mm to 46.8 mm
F-Number	F1.8 to F2.0
Pan/Tilt Angle	Pan ±100°/Tilt +25°
Preset Position	100 positions
Power Supply	Supplied from View-DR Codec Unit
Other Features	Auto Gain Control, Auto White Balance, Backlight Compensation
Key Features	
Data Sharing	PC images up to 1080p resolution is supported (with option) Video annotation function
View-DR Function	Yes
Lip Synchronization	AUTO/OFF
Mic Off Function	ON/OFF
Recording Feature	HD 720p
Video	
Maximum Frame Rate	H.263 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps, w432p 30 fps, w4CIF 30 fps, 720p 60 fps, 1080p 60 fps (with option)
Communication Protocol Standards	H.263, H.263+, H.263++, H.264, H.264 High profile, MPEG-4 SP@L3 4:3 QCIF (176 x 144), CIF (352 x 288), 4CIF (704 x 576)
Resolution	16:9 wCIF/w288p (512 x 288), w432p (768 x 432), w4CIF (1024 x 576), 720p (1280 x 720), 1080p (1920 x 1080) (with option)
Bit Rate	64 kbps to 4,096 kbps
Screen Layout	Full Screen, PinP, PandP, SideBySide, PandPandP
Audio	
Bandwidth and Coding	MPEG-4 AAC Mono: 11 kHz at 64 kbps, 96 kbps / MPEG-4 AAC Mono: 22 kHz at 64 kbps, 96 kbps / G.711: 3.4 kHz at 56 kbps, 64 kbps G.722: 7.0 kHz at 48 kbps, 56 kbps, 64 kbps / G.728: 3.4 kHz at 16 kbps
Other Features	Monaural echo-cancelling (ON/OFF), Auto Gain Control, Noise Reduction
Network	
Protocols	TCP/IP, UDP/IP, DHCP, DNS, HTTP, TELNET, SSH, SNMP, NTP, ARP, RTP/RTCP
QoS (Quality of Service)	Adaptive FEC (Forward Error Correction), Real-time ARQ (Auto Repeat reQuest), ARC (Adaptive Rate Control), IP Precedence, DiffServe
Other Network Features	Packet reordering, TCP/UDP port setting, NAT, PPPoE, UDP shaping, Encryption, Auto gatekeeper discovery, UPnP, URI Dialing, IPv6
Interface	
Video Input	External video input (HDMI x1)
Video Output	HDMI x1
Control Input	mini USB x1
Audio Input	External analog microphone input Mini-jack (Plug in power) x1
Audio Output	HDMI (video, audio) x1
Network Port	10BASE-T/100BASE-TX/1000BASE-T x1
USB Slots	2 (Pen Tablet, USB Memory)
Maintenance Interface	-
Standard	
Communication Protocol Standards	ITU-T H.323, IETF SIP
ITU-T (excluding audio/ video standards)	H.245, H.460.18, H.460.19
IETF	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4573, RFC4587, RFC4629, RFC4856, RFC4628, RFC5168
Encryption	H.235 ver.3, H.241, H.243
Far End Camera Control	H.281
Frame Format	H.225.0
Dual Stream	H.239 (video and presentation data)
General	
Power Requirements	DC 19.5 V (AC Adapter : AC 100 V to 240 V, 50/60 Hz)
Power Consumption	26 W (typical)
Power Consumption (Standby)	TBD
Operating Temperature	5°C to 35°C / 41°F to 95°F
Storage Temperature	-20°C to +60°C / -4°F to +140°F
Operating Humidity	20% to 80% (no condensation)
Storage Humidity	20% to 80% (no condensation)
Dimensions (W x H x D)	Approx. 206 x 174 x 152 mm
Mass	Approx. 1.8kg
Supplied Accessories	PCS-A1 microphones (1), AC adapter (1), HDMI cable (3m) (1), RF Remote Commander Unit (1), Before using this unit Installation Guide (1), Warranty booklet (1)

PCS-XC1

Optional Accessories

Optional Licenses

PCS-A1
Omnidirectional
Microphone



PCS-MEP
IPELA Communication Mobile app for Android,
iPhone®, iPad®, iPad Air™ and iPad mini™



PCSA-RXC1
Full HD update

PCSA-WXC1
WiFi update

For full product specifications and features please visit
pro.sony.eu/visual-comms

	PCS-XG100H	PCS-XG77H
Camera (SRG-120DH)		
Image Sensor	1/2.8-type "Exmor" CMOS image sensor	
Image Sensor (Number of effective pixels)	Approx. 2.1 Megapixels	
Output Pixels (H x V)	1920 x 1080	
Frame Rate	59.94 fps	
S/N Ratio	50 dB	
Brightness Control	Auto/Manual	
Zoom Ratio	x144 zoom (12X optical zoom, 12X digital zoom)	
Focusing System	Auto/Manual	
Horizontal Viewing Angle	Approx. 71°	
Focal Length	f = 3.9 mm to 46.8 mm	
F-Number	F1.8 to F2.0	
Pan/Tilt Angle	Pan ±100°/Tilt +25°	
Preset Position	16 positions	
Power Supply	Supplied from Codec Unit	
Other Features	Auto Gain Control, View-DR, XDNR, Backlight Compensation	
Key Features		
Multipoint Capability	Up to 6 sites (H.320/H.323) with optional software PCSA-MCG106. Up to 9 sites (H.323) with optional software PCSA-MCG109. 10 to 16 sites requires two PCS-XG100S units cascaded with optional software (10 sites with H.320) (16 sites with H.323)	-
Data Sharing	PC images up to 1080p resolution is supported	PC images up to 1080p resolution is supported with optional license (SXGA standard)
	Video annotation function	
Lip Synchronization	AUTO/OFF	
Mic Off Function	ON/OFF	
Recording Feature	HD 720p	
Video		
Maximum Frame Rate	H.261 QCIF 30 fps, CIF 30 fps, H.263 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps	
	H.264 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps, wCIF 30 fps, w432p 30 fps, w4CIF 30 fps, 720p 60 fps, 1080p 60 fps	H.264 QCIF 30 fps, CIF 30 fps, 4CIF 30 fps, wCIF 30 fps, w432p 30 fps, w4CIF 30 fps, 720p 60 fps, 1080p 60 fps
Communication Protocol Standards	H.261*, H.263, H.263+, H.263++, H.264, H.264 High profile, MPEG-4 SP@L3	
	4:3 QCIF (176 x 144), CIF (352 x 288), 4CIF (704 x 576)	
Resolution	16:9 wCIF/w288p (512 x 288), w432p (768 x 432), w4CIF (1024 x 576), 720p (1280 x 720), 1080p (1920 x 1080)	16:9 wCIF/w288p (512 x 288), w432p (768 x 432), w4CIF (1024 x 576), 720p (1280 x 720), 1080p (1920 x 1080) with software option
Bit Rate	64 kbps to 16,000 kbps	64 kbps to 4,096 kbps
Screen Layout	Full Screen, PinP, PandP, SideBySide, PandPandP	
Audio		
Bandwidth and Coding	MPEG-4 AAC Stereo: 22 kHz at 192 kbps (IP only) MPEG-4 AAC Mono: 14 kHz at 48 kbps, 64 kbps, 96 kbps MPEG-4 AAC Mono: 22 kHz at 64 kbps, 96 kbps (IP only) G.711: 3.4 kHz at 56 kbps, 64 kbps G.722: 7.0 kHz at 48 kbps, 56 kbps, 64 kbps G.728: 3.4 kHz at 16 kbps	
Other Features	Stereo echo-cancelling (ON/OFF), Auto Gain Control, Noise Reduction	

*1 H.261 in H.323 will be available as V2.0

	PCS-XG100H	PCS-XG77H
Network		
Protocols	TCP/IP, UDP/IP, DHCP, DNS, HTTP, TELNET, SSH, SNMP, NTP, ARP, RTP/RTCP	
QoS (Quality of Service)	Adaptive FEC (Forward Error Correction), Real-time ARQ (Auto Repeat reQuest), ARC (Adaptive Rate Control), IP Precedence, DiffServe	
Other Network Features	Packet reordering, TCP/UDP port setting, NAT, PPPoE, UDP shaping, Encryption, Auto gatekeeper discovery, UPnP, URI Dialing, IPv6	
Interface		
Video Input	External video inputs (HDMI x 1, DVI-I x 2)	External video inputs (DVI-I x 2)
Video Output	HDMI x 2, DVI-I x 1	HDMI x 1, DVI-I x 1
Control Input	RS-232C x 1	
Audio Input	External analog microphone input Mini-jack (Plug in power) x 6 (L/R)	-
	HDMI (video, audio) x 1	-
	Audio Input (MIC/AUX) x 2 (Phono jack, stereo)	
Audio Output	HDMI (video, audio) x 1, Line Output (Phono jack, stereo) x 1, REC Output (Phono jack, stereo) x 1	
Network Port	10BASE-T/100BASE-TX/1000BASE-T x 2, ISDN Unit Interface x 1	10BASE-T/100BASE-TX/1000BASE-T x 1, ISDN Unit Interface x 1
USB Slots	2 (Pen Tablet, USB Memory)	
Maintenance Interface	RS-232C x 1	
Standard		
Communication Protocol Standards	ITU-T H.320 ¹ , H.323, IETF SIP	
ITU-T (excluding audio/video standards)	H.231, H.241 H.242, H.243, H.245, H.350, H.460.18, H.460.19	
IETF	RFC2190, RFC3016, RFC3047, RFC3261, RFC3264, RFC3550, RFC3984, RFC4573, RFC4587, RFC4629, RFC4856, RFC4628, RFC5168	
Encryption	H.233, H.234, H.235 ver.3	
Far End Camera Control	H.224, H.281	
Frame Format	H.221, BONDING, H.225.0	
Dual Stream	H.239 (video and presentation data)	
General		
Power Requirements	DC 19.5 V (AC Adapter : AC 100 V to 240 V, 50/60 Hz)	
Power Consumption	58.5W	
Power Consumption (Standby)	23.4W	
Operating Temperature	5°C to 35°C / 41°F to 95°F	
Storage Temperature	-20°C to +60°C / -4°F to +140°F	
Operating Humidity	20% to 80% (no condensation)	
Storage Humidity	20% to 80% (no condensation)	
Dimensions (W x H x D)	Codec: Approx. 370 x 60 x 244 mm (excluding protrusions) Camera unit (SRG-120DH): Approx. 153 x 156 x 153 mm (excluding protrusions)	
Mass	Codec: Approx. 2.3 kg Camera Unit (SRG-120DH) (not optional only in "H" version): Approx. 1.45 kg (3 lb 3.1 oz)	
Supplied Accessories	PCS-A1 microphones (2) (PCS-XG100H), PCS-A1 microphones (1) (PCS-XG77H), AC adapter (1), HDMI cable (3m) (1), RF Remote Commander Unit (1), Batteries for Remote Commander unit (2), CD-ROM (Operating instructions, Before using this unit, Quick connection guide) (1), Before using this unit (1), Installation Guide (1), Quick connection guide (1), Warranty booklet (1), Camera cable (3m) for HD camera (1)	

PCS-XG100H / PCS-XG77H

Optional Accessories

Optional Licenses

PCS-A1
Omnidirectional
Microphone



SRG-300H
1080p/60 HD
Pan/Tilt/Zoom
Camera



PCSA-B384S
3-line ISDN unit
(up to 6B channels)



PCSA-B768S
6-line ISDN unit
(up to 12B channels)



PCS-MEP
IPELA Communication
Mobile app



PCSA-MCG106 6 site
internal MCU for XG100/77

PCSA-MCG109 9 site
internal MCU for XG100

PCSA-RXG77 HD update
for XG77

PCSA-SAG1/8 License update
for MEP client connection

For full product specifications and features please visit
pro.sony.eu/visual-comms



General	
Power Requirements	DC 12V (AC Adapter : AC 100V to 240V, 50/60Hz)
Power Consumption	13 Watts
Operating Temperature	5 C to 35 C 41 F to 95 F
Storage Temperature	-20 C to + 60 C -4 F to +140 F
Operating Humidity	20% to 80% (no condensation)
Storage Humidity	20% to 80% (no condensation)
Dimensions (W x H x D)	Approx. 170 x 44 x 125 mm (excluding protrusions)
Mass	Approx. 0.65 kg
Formats	
Communication Protocol	ITU-T H.323
Video Encoding	H.263, H.263+, H.263++, H.264 Baseline Profile, H.264 High Profile
Audio Encoding	G.711 (3.4kHz@56/64kbps), G.722 (7.0kHz@48/56/64kbps), G.728 (3.4kHz@16kbps), MPEG-4 AAC-LC Mono (14kHz@64/96kbps) ¹ , MPEG-4 AAC-LC Mono (22kHz@64/96kbps) ²
Frame Format	H.225
Dual Stream	H.239 (video and presentation data) (transmission and reception)
Encryption	H.235 version 3
Other	H.460.18, H.460.19
Video and Audio	
Video Codec - Resolution	[4:3] QCIF (176x144), CIF (352x288), 4CIF (704x576) [16:9] WCIF (W288p) (512x288), W432p (768x432), W4CIF (1024x576), 720p (1280x720), 1080p (1920x1080)
Video Codec - Frame Rate	Up to 60fps (H.264@720p, H.264@1080p) Up to 30fps (H.264, H.263, H.263+, H.263++, except for H.263 4CIF)
Screen Layout	3 screens, 4 screens, 6 screens, 9 screens, 10 screens, 13 screens, 16 screens
Communication Parameter Settings	YES (Auto / Manual) (Resolution, Bitrate, Frame Rate)
Multi-stream Transmission/ Reception	YES (A/V only) 3 streams (2x video + 1x PC)
Audio Channel	Mono
Mic ON/OFF	NO
Network and Multipoint	
Network Protocol	TCP/IP, UDP/IP, DHCP, DNS, HTTP, TELNET, SSH, SNMP, NTP, ARP, RTP/RTCP, PPPoE, UPnP
QoS (Quality of Service)	Real-time ARQ (Auto Repeat reQuest), ARC (Adaptive Rate Control), Adaptive FEC (Forward Error Correction), IP Precedence, DiffServe
Network Function	UDP Shaping, TCP/UDP Port Setting, NAT Support, Auto Gatekeeper Discovery, URI Dialing, IPv6
Protocol Stack	IPv4, IPv6
Bitrate	64 kbps to 16,000 kbps
H.239 Presentation	YES
Multipoint Capability	Up to 4 terminals (H.323) as standard Up to 10 terminals (H.323) with optional software PCSA-MPE1 Up to 16 terminals (H.323) with optional software PCSA-MPE1 and PCSA-MPE2
Interfaces	
Network Interface	Gigabit Ethernet (10BASE-T/100BASE-TX/1000BASE-T) x 2
External Control	YES (mini-USB typed terminal) ³ .
Other	USB x 1 Kensington Security Slot x 1
Language	
Language on web UI	English, Japanese, Chinese

¹: In the case that the echo canceller is activated. | ²: In the case that the echo canceller is deactivated |

³: the mini-USB typed terminal is NOT compliant with USB

PrimeSupportPro PrimeSupportElite



Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit¹. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

	PrimeSupportPro			PrimeSupportElite		
Service reference	Included service PS.VIDEOCONF.3	PSP. VIDCONFSYSM.4	PSP. VIDCONFSYSM.5	PSP. HDCONFSYS.RL3	PSP. HDCONFSYS.RL4	PSP. HDCONFSYS.RL5
Duration	3 years	1 year repair extension Total 4 years	2 years repair extension Total 5 years	3 years repair & loan	4 years repair & loan	5 years repair & loan

For full product specifications and features please visit
pro.sony.eu/visual-comms





	SRG-360SHE	SRG-300SE	SRG-300H
Camera			
Image Sensor	1/2.8" Exmor CMOS		
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels		
Signal System	1080/59.94p, 50p 1080/59.94i, 50i 720/59.94p, 50p	1080/59.94p (A/B), 50p (A/B), 29.97p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p	1080/59.94p, 50p, 29.97p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p
Minimum Illumination (50 IRE)	High Sensitivity Mode: 0.35lx (50IRE, F1.6, 30fps) High Sensitivity Mode: 0.7 lux (50IRE, F1.6, 60fps) Normal Mode: 1.4lx (50IRE, F1.6, 30fps) Normal Mode: 2.8lx (50IRE, F1.6, 60fps)		
S/N Ratio	50 dB		
Gain	Auto/Manual (0 to +43 dB)		
Day/Night Mode	Yes		
Shutter Speed	1/1 to 1/10000		
Exposure Control	Auto, Manual, Priority AE (Shutter, Iris), Exposure Compensation, Bright		
White Balance	Auto, Indoor, Outdoor, One-push Auto, ATW, Manual		
Optical Zoom	30x		
Digital Zoom	12x		
Focusing System	Auto/Manual		
Horizontal Viewing Angle	65° (Wide)		
Focal Length	f = 4.3mm (Wide) to 129mm (Tele) F1.6 to 4.7		
Minimum Object Distance	10 mm (Wide) to 1200 mm (Tele)		
Pan/Tilt Angle	Pan: ±170° Tilt: +90°/-30°		Pan: ±170° Tilt: +90°/-20°
Pan/Tilt Speed (Max.)	Pan: 60°/sec Tilt: 60°/sec		Pan: 100°/sec Tilt: 90°/sec
Preset Position		256	16
Camera Features			
Wide-D	View-DR (59.94fps 90dB/29.97fps 130db)		
Noise Reduction	Yes		
Image Stabilizer	Yes		
Image Flip	Yes		
PTZ Sync	Yes	No	No
PTZ Trace	Yes	No	No
Interface			
Video Output	3G-SDI, HDMI, IP ¹⁴	3G-SDI, IP	HDMI
MIC Input	Mini-phone (3.5φ)×2 (MIC/Line Selectable)	RCA x 1 (LINE), Mini-phone (3.5φ) x 1 (MIC) (selectable)	No
Line Input	Mini-phone (3.5φ)×2 (MIC/Line Selectable)	RCA x 1	No
Network Port		Yes	
Camera Control Interface	RJ-45 ¹⁵	RJ-45, 9-Pin PHOENIX Block	RJ-45, 8-Pin DIN, 9-Pin PHOENIX Block
Camera Control IR	Yes	No	Yes
Camera Control Protocol	RS-422, VISCA over IP, CGI, S700PTP	RS-422, VISCA over IP, CGI	RS-422, RS-232, VISCA over IP
Sync System	INT		
General			
Power Requirements	DC 12V (DC 10.8 to 13.2V)		
Power Consumption	25.5W		16.8 W
PoE	PoE+		No
Operating Temperature	0 °C to 40 °C		
Storage Temperature	-20 °C to 60 °C		
Dimensions* (W x H x D)	159 x 187.5 x 200.5mm		157 x 164 x 163mm
Mass	Approx. 2.1kg		Approx. 1.4kg
Body Color	White with black		White/Black
Mountable Angle		≤±15°	
Ceiling Mount		Yes	
IR Remote Controller		Yes	
Ventilation Mechanism		Yes	
Supplied Accessories	IR Remote Commander (1), AC Power Adaptor (1), Ceiling Bracket (2), Wire Rope (1), HDMI Cable Retainer (1), Screw M3 x8 (9), Screw M2.6 x6 (1)	AC Power Adaptor (1), AC Power Cable (1), Ceiling Bracket (2), RS-422 Connector Plug (1), Wire Rope (1), Screw M3 x8 (9)	AC Power Adaptor (1), AC Power Cable (1), IR Remote Commander (1), CD-ROM (Operating Instructions) (1), Ceiling Bracket (2), RS-422 Connector Plug (1), Wire Rope (1), Screw M3 x8 (8)
IP streaming / Video			
Resolution	1920 x 1080, 1280 x 720, 960 x 540, 720 x 480	1920 x 1080, 1280 x 720, 1024 x 576, 960 x 536, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184	-
Compression Format	H.264	H.264, JPEG	-
Maximum Frame Rate		H.264: 60 fps (1920 x 1080)	-
Bitrate Compression Mode		CBR/VBR (selectable)	-
Range of Bitrate Setting		Up to 32 Mbps	-
Adaptive Rate Control	No	Yes	-
Multi Streaming Capability		3	-
Maximum Number of Clients		5	-
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, RTP/RTCP, RTSP, HTTPS, SNMP, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, IPv6, HTTPS, SNMP (v1, v2c, v3), SSL	-
Audio			
Channel	2	1	-
Codec	AAC LC		
Audio Setting Option	Auto Gain Control (ALC), Equalizer		
Network			
Multicast Streaming Support		Yes	-
ONVIF Comformance		No	-
Wireless Network		No	-
Authentication	No	IEEE802.1X	-
System Requirements			
Operating System	Windows 7 (32/64bit), Windows 8.1 Pro (32/64bit) ¹¹ , Windows 10 Pro (32/64bit) ¹² Authorized editions: Windows 7: Ultimate, Professional, Windows 8.1: Pro, Windows 10: Pro	Microsoft Windows Vista (32bit), Windows 7 (32/64bit), Windows 8 Pro (32/64bit) ¹³ , Windows 8.1 Pro (32/64bit) ¹³ Authorized editions: Windows Vista: Ultimate, Business, Windows 7: Ultimate, Professional, Windows 8: Pro, Windows 8.1: Pro, Microsoft DirectX 9.0c or higher	-
Processor	Intel Core i7, 2.8 GHz or higher. Or Intel Core i3 / Intel Core i5 / Intel Core i7 (with built-in Intel HD Graphics)		
Memory	2GB or more		
Web Browser	Windows Internet Explorer Ver. 11.0 ¹⁴ , Google Chrome Ver. 50.0	Windows Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10.0 ¹⁵ , Ver. 11.0 ¹⁵ Firefox Ver.19.0, Safari Ver.5.1, Google Chrome Ver.25.0	-

*The values for dimensions are approximate. ¹¹ If you use Windows 8.1, use the Internet Explorer for the desktop user interface (desktop UI). ¹² If you use Windows 10, turn off the tablet mode.

¹³ In case of Windows 8 or Windows 8.1, use the Internet Explorer desktop user interface (desktop UI) edition. ¹⁴ With PoE+ simultaneous output is limited to 3G-SDI and single IP stream. ¹⁵ Cascade connection is not available.



	SRG-120DH	SRG-120DS	SRG-120DU
Camera			
Image Sensor	1/2.8" Exmor CMOS		
Image Sensor (Number of Effective Pixels)	Approx. 2.1 Megapixels		
Signal System	1080/59.94p, 50p, 29.97p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p	1080/59.94p (A/B), 50p (A/B), 29.97p, 25p 1080/59.94i, 50i 720/59.94p, 50p, 29.97p, 25p	1080/59.94p, 50p, 29.97p, 25p 720/59.94p, 50p, 29.97p, 25p, 15p
Minimum Illumination (50 IRE)	High Sensitivity Mode: 0.4lx (50IRE, F1.8, 30fps) High Sensitivity Mode: 0.9lx (50IRE, F1.8, 60fps) Normal Mode: 1.8lx (50IRE, F1.8, 30fps) Normal Mode: 3.6lx (50IRE, F1.8, 60fps)		
S/N Ratio	50 dB		
Gain	Auto/Manual (0 to +43 dB)		
Day/Night Mode	No		
Shutter Speed	1/1 to 1/10000		
Exposure Control	Auto, Manual, Priority AE (Shutter, Iris), Exposure Compensation, Bright		
White Balance	Auto, Indoor, Outdoor, One-push Auto, ATW, Manual		
Optical Zoom	12x		
Digital Zoom	12x		
Focusing System	Auto/Manual		
Horizontal Viewing Angle	71° (Wide)		
Focal Length	f = 3.9mm (wide) to 46.8 mm (Tele) F1.8 to 2.0		
Minimum Object Distance	10 mm (Wide) to 1500 mm (Tele)		
Pan/Tilt Angle	Pan: ±100° Tilt: ±25°		
Pan/Tilt Speed (Max.)	Pan: 300°/sec Tilt: 126°/sec		
Preset Position	16		
Camera Features			
Wide-D	View-DR (59.94fps 90dB/29.97fps 130db)		
Noise Reduction	Yes		
Image Stabilizer	No		
Image Flip	No		
PTZ Sync	No		
PTZ Trace	No		
Interface			
Video Output	HDMI	3G-SDI	USB
MIC Input	No		
Line Input	No		
Network Port	Yes		
Camera Control Interface	8-Pin DIN, RJ-45		8-Pin DIN, RJ-45, USB 2.0/3.0
Camera Control IR	Yes		
Camera Control Protocol	RS-232, VISCA, VISCA over IP		RS-232, VISCA, VISCA over IP, UVC
Sync System	INT		
General			
Power Requirements	DC 12V (DC 10.8 to 13.2V)		
Power Consumption	16.8 W		
PoE	No		
Operating Temperature	0 °C to 40 °C		
Storage Temperature	-20 °C to 60 °C		
Dimensions* (W x H x D)	153 x 156 x 153 mm		
Mass	Approx. 1.6kg		
Body Color	Silver		
Mountable Angle	<=15°		
Ceiling Mount	No		
Supplied Accessories	AC Power Adaptor (1), AC Power Cable (1) IR Remote Commander (1), CD-ROM (Operating Instructions) (1)	AC Power Adaptor (1), AC Power Cable (1) IR Remote Commander (1), CD-ROM (Operating Instructions) (1)	AC Power Adaptor (1), AC Power Cable (1) IR Remote Commander (1), CD-ROM (Operating Instructions) (1)
Can be used for applications such as video collaboration client software via USB & UVC control	-		Skype, Skype for Business, Hangout, WebEx, other similar applications**

*The values for dimensions are approximate.

**Real customer environment requires local test

Visual Imaging Cameras

SRG Series Optional Accessories

PCS-A1
Omnidirectional
Microphone



RC4 Remote
Digital PTZ Camera
Extension Solution for
RS-232 control; HDMI or DVI



RC5 Remote
Digital PTZ Camera
Extension Solution for
Ethernet control



PrimeSupportPro
PrimeSupportElite



Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

	PrimeSupportPro			PrimeSupportElite		
Service reference	Included service PS.VIDEOCONF.3	PSP.HDCAMERA.4	PSP.HDCAMERA.5	PSP. HDCAMERA.RL3	PSP. HDCAMERA.RL4	PSP. HDCAMERA.RL5
Duration	3 years	1 year repair extension Total 4 years	2 years repair extension Total 5 years	3 years repair & loan	4 years repair & loan	5 years repair & loan



RM-IP10

Control of up to 112 SRG/BRC cameras via IP

- The RM-IP10 remote control panel gives you control of up to 112 BRC cameras over an IP network.

Additional ability to use VISCA control

- The RM-IP10 can also control up to 7 SRG/BRC cameras over a traditional VISCA (Video System Control Architecture) network.

Simple RJ-45 (10Base-T/100Base-TX) connection for easy connection

- The RM-IP10 links to an IP network with via a RJ-45 connector providing very easy, low cost and speedy installation.

PC configuration software supplied

- The RM-IP10 provides for convenient configuration of system IPs and BRCs numbers, with location free configuration of a network.

Up to 5 controllers can operate on a single network

- Up to 5 RM-IP10 control panels can be used on a single network allowing shared control and simultaneous multi-operator control of large camera systems.

Simultaneous Preset recall to all cameras under control

- Instantaneous set-up of multiple cameras provides a big time saving for camera adjustments.



RM-IP500

Simple IP connection and control of up to 100 cameras

- Auto IP setting without PC and DIP switch.
- Auto assign camera number while keeping camera's IP address.
- Save/load/copy settings via PC.

Sensitive Pan/Tilt/Zoom operation for high-quality productions

- Zoom seesaw lever separately (zoom in two ways, joystick/seesaw lever.)
- Speed controls for sensitive PTZF operation.
- 10-key numeric keypad for preset selection.
- Tally indicator, and normal tally/on-air tally/contact mode.

Adjust paint functions for brilliant colours*

- Adjust master black and more functions without camera menu.
- Assign buttons (back light on/off, flicker cancel on/off, detail level, knee point etc.)

*Available functions depend on camera



For full product specifications and features please visit
pro.sony.eu/visual-comms



BRC-Series

From TV studios and sports stadiums to auditoriums, lecture theatres and houses of worship – our sophisticated, dependable BRC remote cameras capture and stream broadcast-quality video footage in detail-packed 4K or Full HD.



BRC-X1000

BRC-X1000

The BRC-X1000 is Sony's first 4K remote camera, combining uncompromising broadcast picture quality and smooth, silent PTZ operation with the flexibility of 3G-SDI and HDMI connections.

BRC-H900

The BRC-H900 remote studio camera combines uncompromising broadcast picture quality with the flexibility of PTZ operation.



BRC-H900



BRC-H800

BRC-H800

The BRC-H800 remote camera combines uncompromising broadcast picture quality and smooth, silent PTZ operation with the flexibility of 3G-SDI and HDMI connections.



	BRC-X1000 (4K)	BRC-H900 (HD)	BRC-H800 (HD)
Camera			
Image sensor	1.0-type Exmor R CMOS	1/2-type Exmor CMOS x3	1.0-type Exmor R CMOS
Signal System	2160/29.97p, 25p, 23.98p, 1080/59.94p, 50p, 59.94i, 50i, 720/59.94p, 50p, 2160/23.98p, 1080/23.98p	1080/59.94i, 50i, 720/59.94p, 50p, NTSC, PAL	1080/59.94p, 50p, 59.94i, 50i, 720/59.94p, 50p, 1080/23.98p
4K Video Output	Dual link 3G-SDIx2, HDMI	–	–
HD Video Output	3G-SDIx4, HDMI	HD-SDI, Component (Y/Pb/Pr) or RGB	3G-SDIx2, HDMI
SD Video Output	–	SD-SDI, Composite, Y/C	–
Minimum Illumination	1.7 lux (50IRE, F2.8, 1/30s, Max Gain)	4 lux (50IRE, F1.9, Max Gain)	1.7 lux (50IRE, F2.8, 1/30s, Max Gain)
Optical Zoom	12x	14x	12x
Clear Image Zoom	24x (HD), 18x (4K)	–	24x
Tele Convert Mode	Off, 2x *1920x1080 only	–	Off, 2x *1920x1080 only
Horizontal Viewing Angle	64.6 degree (Wide)	59.6 degree (Wide)	64.6 degree (Wide)
Preset positions	100	16	100
Serial Control	RS-422	RS-422, RS-232C	RS-422
IP Control	Yes	Yes (Option)*	Yes
ND filter	Yes	No	Yes
External sync	Yes	Yes	Yes
Paint control from RCP	Yes	Yes (Option)*	Yes
Power	DC10.8V to 13.2V, PoE+	DC10.8V to 13.2V	DC10.8V to 13.2V, PoE+

* CNA-1 and HZC-BRCN1 are required.



PrimeSupportPro Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if you do need repairs, we'll organise things quickly and efficiently, with free shipping and no hidden costs.

Product	RM-IP10 / RM-IP500 BRC-X1000 / BRC-H800 / BRC-H900		
Service reference	PS.PACK2.12X1	PSPA.OAPOMP.1ER	PSPA.OAPOMP.2ER
Duration	2 years Included service	1 year extension	2 years extension

For full product specifications and features please visit pro.sony.eu/visual-comms



UMC-S3CA

With an ultra-high sensitivity of ISO 409600* and internal recording, this compact 4K video camera is ideal for a wide range of remote shooting applications in almost total darkness.

Crisp, clear 4K video and still images, even in near darkness

With an ultra-high sensitivity of ISO 409600*, the UMC-S3CA captures crisp, clear 4K/29.97P/25P colour video and low-noise 12 megapixel still images in minimum illumination conditions of 0.004 lx.

The 35 mm full-frame Exmor™ sensor captures significantly more incident light than conventional cameras, while the image processing extremely enhances the high sensitivity with very low noise. Area-specific noise reduction selectively divides the image into areas based on patterns (such as edges, textures and evenly coloured areas like blue skies) to efficiently reduce noise and improve image quality. Detail reproduction technology helps to accurately depict details with a more natural sense of dimension.

Greater shooting flexibility with choice of E-mount FE lenses

The camera's versatility in a wide range of shooting applications is enhanced by compatibility with a wide range of interchangeable E-mount FE lenses (available separately)**. These maximise the performance of the 35 mm full-frame sensor, maintaining high resolution across the entire image area from centre to edges.

Small and light enough to go anywhere

Ideal for use in space-limited situations, the compact camera measures approximately 104.0 mm x 84.0 mm x 48.0 mm (4 1/8 inches x 3 3/8 inches x 1 15/16 inches). With a light weight of approximately 395g (13.8 oz), it's ideal for installation in mobile environments such as vehicles and robots.



This lens is optional

Easy operation even on the move

4K video or still images can be recorded internally to an SD card, or fed via HDMI to an external recorder or monitor, even when the camera is on the move. The camera's multi terminal can connect to Micro USB-compatible devices, allowing remote control of functions such as zoom and shutter release, Rec Start/Stop, and Zoom using widely-available consumer accessories.

High quality internal recording

The camera can continuously record 4K/29.97P/25P colour video in the XAVC S format at up to 100 Mbps, and 12 megapixel colour still images in JPEG or RAW format at 14 bits to an SD memory card. For example, a 64 GB SD card can record up to 125 minutes of continuous 4K footage with standard quality (29.97P/60 Mbps).

Recorded video files can be reviewed on a wide range of ordinary PC media players compatible with the MP4 format such as Windows Media Player.

Gen-lock

A new Gen-lock function makes the UMC-S3CA ideal for multi-camera installations, such as 2D/3D virtual reality, multiple angle live broadcast coverage of various events, or as a supplementary studio camera.

*Standard ISO 100-102400, expandable to 50-409600

** Compatible E mount FE lenses include the SEL35F14Z (35 mm, F1.4), SEL35F28 (35 mm, F2.8), SEL28F20 (28 mm, F2.0), and SEL55F18Z (55 mm, F1.8).

UMC-S3CA

Optional Accessories

SEL2870

35mm full frame E-mount zoom lens FE 28-70mm F3.5-5.6 OSS



SEL35F28Z

ZEISS Sonnar T* FE 35mm F2.8 ZA wide-angle Prime lens



SEL55F18Z

ZEISS 35mm full frame E-mount standard prime lens Sonnar T* FE 55mm F1.8 ZA



SEL70200G

35mm full frame E-mount telephoto zoom lens FE 70-200mm F4 G OSS



For full product specifications and features please visit pro.sony.eu/visual-comms



Visual Simulation and Visual Entertainment

Every projector in our simulation and visualisation line-up delivers stunning 4K images. At more than four times the resolution of Full HD, it guarantees an astonishingly detail-packed experience, with richer colour and unbeatable image quality. Whether you're creating a flight simulation for pilot training, a Planetarium, or sharing a finely-detailed visualisation for an automotive design, all projectors can provide you with the very best picture.

For full product specifications and features please visit pro.sony.eu/visualisation



PrimeSupport



PrimeSupportPro

Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if you do need repairs, we'll organise things quickly and efficiently, with free shipping and no hidden costs.

PrimeSupportElite

If you're looking for even more peace of mind, upgrading to **PrimeSupportElite** could be the option for your business. We'll keep you up and running with our fast-track repair service that includes all shipping costs. And – depending on your product – we may offer to loan a replacement unit* while yours is being repaired. For certain models, we now offer an Advanced Replacement extension where we will ship out a replacement model within 48 hours.

PrimeSupportBespoke

Everybody's business is different. A selected number of our products are also eligible for **PrimeSupportBespoke**, and **PrimeSupportOn-Demand**, tailored solutions for organisations with the most demanding requirements for service and support. With options like next working day spares and on-site technical assistance, there's no better choice when dependable performance of your AV communications infrastructure is most crucial.

PrimeSupportOn-Demand

Support for our Visual Simulation and Entertainment solutions is available with **PrimeSupportOn-Demand**. One working day (**PSP.CE.INITDAY.1**), initial solution setup (**PSP.CE.TRAINDAY.1**), training delivery (**PSP.CE.ONSITEDAY.1**) or maintenance. We can also deliver resource to adapt the solutions to your requirements (**PSP.CE.CUSTOMDAY.1**) Scope of work must be agreed before intervention.

For full product specifications and features please visit
pro.sony.eu/visualisation



VPL-GTZ280

4K SXR D up to 5000 lumens Laser Light Source Projector

Sony combines the best of its projection technologies, 4K SXR D imagery and laser light source technology, to create a projector with native 4K resolution, high-speed signal processing, fast motion blur reduction, infrared light output for night vision, and vibration resistance - all ideal for visualisation, simulation and training applications.

- Exclusive SXR D chip provides native 4K resolution and high contrast ratio
- 4K 3D capability for reliable simulation*
- Deep blacks reduce white band visibility for multi-projector blending
- Long life optics, up to 20,000h (up to 40,000h in low brightness mode)
- Dust resistance by sealed optics
- Constant brightness mode and periodic auto calibration for enduring image quality



- High speed motion functions: 4K 120Hz input, smear reduction, transport delay reduction*
- Infrared light output for night vision simulation*
- Angle-free installation and vibration endurance for motion based system
- Whisper quiet operation less than 35dB
- HDR (High Dynamic Range) Gamma*

*Configurable function.



VPL-GTZ270

4K SXR D 5000 lumens Laser Light Source Projector

Sony combines the best of its projection technologies, 4K SXR D imagery and laser light source technology, to create a projector with native 4K resolution, an extremely high contrast ratio, high dynamic range and wide colour space - ideal for visual entertainment applications including planetariums, theme parks, and museums.

- Exclusive SXR D chip provides native 4K resolution and high contrast ratio
- 'Reality Creation' upscaling
- HDR (High Dynamic Range)*
- Wide Colour Space - covers full DCI range and simulated BT2020
- 4K 3D capability
- Deep blacks reduce white band visibility for multi-projector blending
- Less maintenance



- Long life optics, up to 20,000h (up to 40,000h in low brightness mode)
- Dust resistance by sealed optics
- Constant brightness mode and periodic auto calibration for enduring image quality
- Angle-free installation
- Robust chassis for easy handling and self stack capability
- Whisper quiet operation less than 35dB

*Configurable function.

This data projector is classified as a CLASS 2 LASER PRODUCT. (Laser radiation IEC60825-1:2007)



LASER RADIATION DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT LASERSTRALHÄRE TITTA INTE I STRÅLEN LASERPRODUKT KLASS 2 レーザー光線 レーザー光線を直接見ないでください クラス 2 レーザ製品	WAVE LENGTH: 455-470nm MAX OUTPUT < 20mW VÄGLÄNGD: 455-470nm MAX UTEFFEKT < 20mW 波長: 455-470nm 最大出力 < 20mW	IEC60825-1:2007 JIS C5802:2005 4-141+411-01
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For full product specifications and features please visit pro.sony.eu/visualisation

		VPL-GTZ280	VPL-GTZ270
Display system		4K SXRD panel, projection system	4K SXRD panel, projection system
Display device	Size of effective display area	0.74" x 3	0.74" x 3
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens ^{*2}	Focus	Powered	Powered
	Zoom	Powered	Powered
Light source		Laser diode	Laser diode
Light output		2,000 lm 5,000 lm using the LSM-BRIN1 optional upgrade	5,000 lm
Colour light output		2,000 lm 5,000 lm using the LSM-BRIN1 optional upgrade	5,000 lm
Contrast ratio	Native	Up to 20,000:1 ^{*1} (native contrast)	Up to 20,000:1 ^{*1}
	Dynamic	-	Up to 30,000:1 ^{*1}
Accepted digital signals ^{*3}		VGA, SVGA, XGA, WXGA (1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p, 3840x2160/50p, 3840x2160/60p, 3840x2160/100p, 3840x2160/120p, 4096x2160/24p, 4096x2160/50p, 4096x2160/60p, 4096x2160/100p, 4096x2160/120p	VGA, SVGA, XGA, WXGA (1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/50i ^{*4} , 1920x1080/60i ^{*4} , 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p, 3840x2160/25p ^{*4} , 3840x2160/30p ^{*4} , 3840x2160/50p, 3840x2160/60p, 4096x2160/24p, 4096x2160/25p ^{*4} , 4096x2160/30p ^{*4} , 4096x2160/50p, 4096x2160/60p
Color bit depth		Up to 10 bit	Up to 12 bit via HDMI / Up to 10 bit via Display Port
INPUT OUTPUT (Computer/Video/ Control)	HDMI	-	2 inputs (HDCP 2.2 x 2), Digital (RGB/Y Pb/Cb Pr/Cr)
	Display Port	4 inputs (HDCP 1.3 x 2, HDCP 1.3 for V Split x 2), Digital (RGB)	2 inputs (HDCP 1.3 x 1, HDCP 1.3 for V Split x 1), Digital (RGB)
	TRIGGER	2 connectors, Mini jack, DC 12V Max:100 mA	2 connectors, Mini jack, DC 12V Max:100 mA
	REMOTE	RS-232C, D-sub 9-pin (female)	RS-232C, D-sub 9-pin (female)
	LAN	RJ45, 10BASE-T/100BASE-TX	RJ45, 10BASE-T/100BASE-TX
	IR IN / OUT	IN:1, Out:1, Mini jack	IN:1, Out:1, Mini jack
	SYNC	IN:1, Out:1	IN:1, Out:1
OSD languages		18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish)	18-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Arabic, Polish)
Acoustic noise		30 dB ~ 35 dB ^{*1}	30 dB ~ 35 dB ^{*1}
Operating temperature (Operating humidity)		5°C to 40°C (41°F to +104°F)/20% to 80% (no condensation)	5° to 40° (41°F to +104°F)/20% to 80% (no condensation)
Storage temperature (Storage humidity)		-10° to + 60° (14°F to +140°F)/20% to 80% (no condensation)	-10° to + 60° (14°F to +140°F)/20% to 80% (no condensation)
Power requirements		AC 220 V to 240 V, 6 A, 50/60 Hz (For Europe and China) AC 100 V to 240 V, 12 A to 6 A, 50/60 Hz (For the other countries)	AC 220 V to 240 V, 6 A, 50/60 Hz (For Europe and China) AC 100 V to 240 V, 12 A to 6 A, 50/60 Hz (For the other countries)
Power consumption		MAX. 1.2 kW	MAX. 1.2 kW
Power consumption (Standby Mode)		0.4 W (When "Remote Start" is set to "Off")	0.4 W (When "Remote Start" is set to "Off")
Power consumption (Networked Standby Mode)		0.6 W (LAN) (When "Remote Start" is set to "On")	0.6 W (LAN) (When "Remote Start" is set to "On")
Heat dissipation		4092 BTU/h	4092 BTU/h
Dimensions (W x H x D)		550 x 228 x 750 mm (21 21/32 x 8 31/32 x 29 17/32 in) (without protrusions) 550 x 262 x 750 mm (21 21/32 x 10 5/16 x 29 17/32 in)	550 x 228 x 750 mm (21 21/32 x 8 31/32 x 29 17/32 in) (without protrusions) 550 x 262 x 750 mm (21 21/32 x 10 5/16 x 29 17/32 in)
Mass		Approx. 40 kg / 88 lb (excluding lens)	Approx. 40 kg / 88 lb (excluding lens)
Supplied accessories		RM-PJ29 Remote Commander (1), Size AA (R6), Manganese Batteries (2), AC Power Cord (1), Operating Instructions (CD-ROM) (1)	RM-PJ29 Remote Commander (1), Size AA (R6) Manganese Batteries (2), AC Power Cord (1), Operating Instructions (CD-ROM) (1)

*1 This value is approximate. Depends on the projector setting condition and usage environment

*2 The lenses are optional accessories

*3 60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz

*4 Available via HDMI input

PrimeSupport Pro

PrimeSupport Elite

PrimeSupport Bespoke

Our **PrimeSupport** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement loan unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

These products are also eligible for **PrimeSupportBespoke** tailored solutions for organisations with the most demanding requirements for service and support. With options like next working day spares and on-site technical assistance, there's no better choice when dependable performance of your AV communications infrastructure is most crucial.

	PrimeSupportPro		PrimeSupportElite		PrimeSupportBespoke	
Service reference	Included service PS.LASPROJPD.3		PSP.VPLGTZ2.PREM.5		BUILD ON REQUEST	
Scope of support	Projector	Optical Block & Laser	Projector	Optical Block & Laser	Projector	Optical Block & Laser
Duration	3 year	7000h	Premium 2 years extension	12000h	Up to 10 years	Custom usage duration



VPL-VZ1000ES



Compact 4K Ultra Short Throw laser light source projector, suited to corporate environments, retail spaces, galleries, museums and home cinema use.



- Project 4K images up to 305cm diagonal size onto a screen or wall
- Z-Phosphor laser light source and SXRD panel technology for stunning images with 2,500 lumens brightness
- Up to 20,000 hours operation with virtually no maintenance.
- TRILUMINOS™ Display for cinema-like colour gamut.
- HDR compatible for wider brightness level range.
- Can be operated floor-standing, ceiling mounted or used for rear projection.
- Extensive connectivity with 4x HDMI inputs.
- Quiet operation with low fan noise.

		VPL-VZ1000ES
Display System		4K SXRD panel, projection system
Display device		0.74" x 3 SXRD
	Number of pixels	26,542,080 (4096 x 2160 x 3) pixels
Projection lens	Zoom	Powered (Approx. x 1.02)
	Focus	Powered
	Lens shift	Powered, Vertical: +/- 6%, Horizontal: +/- 3%
Light source		Laser diode
Screen size		80" to 120" (2030 mm to 3050 mm)
Light output (Lamp mode: High)		2500 lm
Color light output (Lamp mode: High)		2500 lm
Contrast ratio		∞:1 (dynamic contrast)
Accepted digital signals*1		VVGA, SVGA, XGA, WXGA(1280x768), Quad-VGA, SXGA, 720x480/60p, 720x576/50p, 1280x720/50p, 1280x720/60p, 1920x1080/50i, 1920x1080/60i, 1920x1080/24p, 1920x1080/50p, 1920x1080/60p, 3840x2160/24p, 3840x2160/25p, 3840x2160/30p, 3840x2160/50p, 3840x2160/60p, 4096x2160/24p, 4096x2160/25p, 4096x2160/30p, 4096x2160/50p, 4096x2160/60p
Inputs/Outputs (Computer/Video/Control)	HDMI (HDCP 2.2)	HDMI (x4)
	REMOTE	RS-232C, D-sub 9-pin
	LAN	RJ-45, 10Base-T/100BASE-TX
	IR IN	Mini Jack
	USB	Type A, DC 5V, Max. 500 mA
Operating temperature (Operating humidity)		5°C to 35°C (41°F to 95°F) (20% to 80% (no condensation))
Storage temperature (Storage humidity)		-10°C to +60°C (14°F to +140°F) (20% to 80% (no condensation))
Power requirements		AC 100 V to 240 V, 4.2 A to 1.8 A, 50/60 Hz
Power consumption		420 W
Standby mode power consumption		0.5 W (when "Remote Start" is set to "Off")
Networked Standby		0.6 W (LAN) (when "Remote Start" is set to "On") When a LAN terminal is not connected, it becomes a low power consumption mode (0.5 W).
Dimensions (W×H×D)		925 mm x 218.5 mm x 493.8 mm (36 ¹³ / ₃₂ x 8 ¹⁹ / ₃₂ x 19 ⁷ / ₁₆ inches)
Mass		Approx. 35kg (77 lb) (without side and top covers)
Optional accessories		Active 3D Glasses: TDG-BT500A

*1 60p,30p,24p include 59.94/60Hz, 29.97Hz/30Hz, 23.98Hz/24Hz

PrimeSupportPro PrimeSupportElite



Our **PrimeSupportPro** and **PrimeSupportElite** packages go beyond standard levels of warranty with varying support options either at no extra cost or optional upgrade. **PrimeSupportPro** gives you free initial access to expert technical assistance from our multilingual helpdesk while optional **PrimeSupportElite** upgrades go further with our fast-track repair service and – depending on your product - a replacement unit*. Both packages include free shipping and no hidden costs so we'll always keep you up and running.

Service reference	Included Service PS.LASPROJID.3		PSP.VPLVZ1000.2X	
Scope of support	Projector	Optical Block & Laser	Projector	Optical Block & Laser
Duration	3 Years	7000h	2 Years Extension	20000h

For full product specifications and features for the VPL-VZ1000ES please visit pro.sony.eu/VZ1000ES





SRX-T615

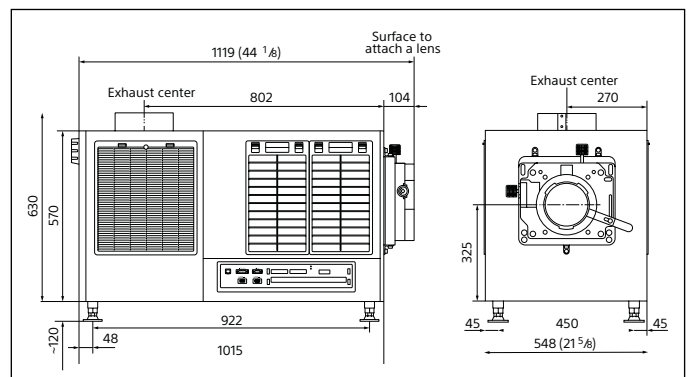
HDMI 4K SXRD

SRX-T series for professional and industrial visualisation

- Detail with true 4K SXRD picture quality
- Best in class 12,000:1 contrast ratio and 18,000 centre lumens combined
- Efficient, easy to handle HPM multi-lamp array
- Interleaved lamp control for longer life
- Lamp fail-safe for resilient operation
- Easy-on-the-eye 3D
- Create super-sized images with edge blending
- Flexible throw distance with interchangeable lens



	SRX-T615
Resolution	4096 x 2160
Display device	3 x 1.48" 4K SXRD
Brightness	18,000 Centre Lumens
Contrast ratio	12,000:1
Lamp technology	6 x HMP lamp 450W/330W



PrimeSupport Elite PrimeSupport On-Demand

Our **PrimeSupportElite** packages go beyond standard levels of warranty with various optional upgrades available including our fast track repair service and – depending on your product - a replacement loan unit*, free shipping and no hidden costs so we'll always keep you up and running.

Further support for this product is also available with **PrimeSupportOn-Demand** with one working day initial product setup (PSP.CE.INITDAY.1). Scope of work must be agreed before intervention.



		PrimeSupportElite				PrimeSupportOn-Demand
Service reference	Warranty	PSP.TECHSUP.3	PSP.TECHSUP.5	PSP.EXPRESSPARTS.3	PSP.EXPRESSPARTS.5	PSP.CE.INITDAY.1
Duration	1 year	3 years	5 years	3 years	5 years	1 day onsite engineer

For full product specifications and features please visit pro.sony.eu/visualisation



VPL-GT100

VPL-GT100 is a compact professional 4K SXRD projector with 2,000 lumens brightness, ideal for simulation. It features a dual display port input for outstanding native 4096 x 2160 resolution at 60 frames per second, while Sony's latest generation SXRD panel and advanced Iris3 technology achieve an incredible dynamic contrast ratio of 1,000,000:1.

- Richer pictures with Wide Colour Space (DCI, Adobe RGB)
- Transport delay reduction, for smooth images
- Portrait or landscape installation
- Smear reduction with Sony's Dark Frame Insertion technology
- Compact – 20kg



	VPL-GT100
Resolution	4096 x 2160
Display device	3 x 0.74" 4K SXRD
Brightness	2,000 lumens
Dynamic contrast ratio	1,000,000:1
Lamp technology	330W HMP lamp



PrimeSupport Pro

Included at no extra cost, our initial **PrimeSupportPro** packages go beyond a standard warranty with access to expert technical assistance. Our multilingual helpdesk can answer everyday questions on setting up and using your product by phone or email. And if you do need repairs, we'll organise things quickly and efficiently, with free shipping and no hidden costs.

Service reference	Included Service PS.VPLGT100.3.L1		PSP.VPLGT100.5
Scope of support	Projector	Lamp	Projector
Duration	3 years	1 year or 1000 h	+2 years (Total 5 years)



LKRL-Z519



LKRL-Z514



LKRL-Z211



LKRL-Z511

Lamp

	SRX-T615	SRX-T420
Lamp	LKRM-U450 LKRM-U330 LKRM-U331	LKRX-2042A

Interface board

	SRX-T615
DVI Board	QMCB-DVI
HD-SDI Board	QMCB-SDI

Interchangeable lens

	SRX-T615	LKRL-Z511	SRX-T420	LKRL-Z519
Throw ratio		1.05-1.75	1.35-2.34	1.80-4.00
3D Lens for SRX-T615		LKRL-A502	LKRL-A503	
Throw ratio		1.03-1.85	1.70-3.76	

For full product specifications and features please visit pro.sony.eu/visualisation

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Errors and omissions excepted.

*Specific product cover may vary. Please visit pro.sony.eu/primessupport for full details.

P&C Range Guide EN 06/09/2017

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