FOCUSED ON YOUR SUCCESS

PRODUCT GUIDE

FALL 2019

HIKVISION®

About Hikvision

Hikvision is a world leading manufacturer and supplier of security products and solutions. Fortified by one of the largest R&D teams in the video surveillance industry, the innovation behind these products combined with our outstanding team members and partners has made Hikvision the No. 1 video surveillance equipment provider in the world, according to global research firm IHS Markit.

Hikvision's extensive and diverse North American team consists of more than 377 professionals across the U.S. and Canada. Offices are located in Los Angeles, California, and Montreal, Canada, with additional facilities in Miami, Florida. Hikvision has established a Research and Development Centre in Montreal, Canada. Team members are anchored throughout the U.S. and Canada to provide local and national support that is focused on your success.

We invest heavily in R&D, hundreds of millions of dollars per year, to supply the market with reliable, secure and innovative technology with unmatched value. We believe that's the best game plan to provide Hikvision dealers with a competitive advantage out in the field, and to deliver the best value and innovative technology to end users.

Hikvision is a leading provider of security hardware equipment and software solutions for a broad range of vertical markets including K-12 education, retail, casino gaming, commercial real estate, cannabis, assisted living, and many others. Whatever the scope or requirements of the application, Hikvision has a user-friendly, highly-scalable solution, and a support team to meet customer needs.

The foundation of our business is cutting-edge technology: high-definition IP and analog cameras, hybrid, plug and play, and standalone DVRs, NVRs, PTZ domes, network switches, encoders and decoders, phone apps, VMS (video management systems) software, central management systems, and the latest technology innovations.

Beyond security, Hikvision products provide important data and business intelligence, which can be used to enable greater commercial success and more efficient operations.

HIKVISION UNAUTHORIZED DISTRIBUTORS POLICY

Hikvision USA Inc., and Hikvision Canada Inc. (Hikvision USA and Hikvision Canada), sell products only through authorized distributors. We value our industry partners and are proud of the relationships we have developed to help expand the use of our innovative technology products and solutions. Hikvision's authorized distributors serve as an important link in the Hikvision USA and Hikvision Canada value chain by providing excellent pre- and post-sale customer service, including firmware updates and sales engineering support.

Not every distributor advertising Hikvision products has been authorized by Hikvision USA or Hikvision Canada to advertise or sell those products. We warn potential customers against purchasing products from unauthorized distributors. Unauthorized distributors may be selling products that are counterfeit, used, have modified firmware or are otherwise damaged. The Hikvision warranty is void, per company policy, on any product that is not purchased through a Hikvision USA or Hikvision Canada authorized distributor.

Purchasing through authorized Hikvision USA and Hikvision Canada distributors ensures that you receive the benefits of technical support, project registration, dealer loyalty programs and advance replacement of any camera, recorder, monitor, video server, or software, in addition to Hikvision USA and Hikvision Canada's full warranty. Additionally, products purchased through authorized distribution partners have additional customized features and capabilities that distinguish the North American offering.

If you have any questions or concerns about the official status of your Hikvision distributor before your purchase, please contact Hikvision USA and Hikvision Canada Customer Service at csr.usa@hikvision.com to confirm their authorized status.

Thank you for your continued support of our industry-leading video surveillance products.

Contents

Overview

Featured within this product guide are the most popular Hikvision products for the SMB, residential and commercial markets. It includes an overview of our extensive product offering, including a wide-range of IP camera and recorders, HD over Coax analog cameras and recorders, intercom devices, access control solutions, and essential accessories such as network switches and monitors. Software solutions with integrated video and access control management are available to meet the needs of a variety of applications from small businesses to multi-site enterprises. You will also find a wide array of multi-sensor solutions and thermal cameras that meet the most restrictive budgets.

For IP and HD over Coax solutions, Hikvision options are available at multiple price points and performance levels. Please refer to the product comparisons at the beginning of each section to help you select the appropriate product for your application.

Hikvision also has products and solution for high-end applications. These include deep learning solutions, high-end thermal and anti-corrosion cameras, hazardous area solutions, as well as video wall monitors and controllers. To learn more about these products and more, scan the QR code below to link to our Hikvision website:

DarkFighter X	DeepinView Cameras/ DeepinMind Recorders	Encoders	Hybrid SAN Storage Solutions	PanoVu PTZs

Positioning Systems	Stainless Steel	Thermal	Thermal Handheld	Under Vehicle Surveillance Systems	Video Walls

HikCentral CMS

At Hikvision, we strive to develop and deliver the very best end-to-end solutions in the security industry. HikCentral is a comprehensive central management |system (CMS) that brings together powerful video surveillance and access control systems of any size. The modern and powerful desktop, web, and mobile clients can access the centralized system from anywhere. A key benefit of HikCentral is the flexibility to add functions and services from collaborative partners, making it possible to tailor the CMS to your specific needs and requirements. This highly efficient platform can be deployed on preloaded servers, virtual machines, and cloud services. HikCentral is a powerful, flexible and efficient security management platform.
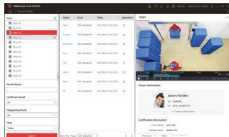
HikCentral has the power to manage multiple security systems from a single point of command and control. Video, access, intercom and alarm points are brought together and managed through a single graphical user interface (GUI) thereby reducing overall operational costs.

HikCentral is modular application software. You only pay for the modules you need, and you can add modules whenever your security and business needs change. Licenses are perpetual with one-time purchase. HikCentral also has the flexibility to integrate with third-party access control, automation, central monitoring and other systems.

Multiple sites should not mean multiple systems to manage. HikCentral helps you easily manage thousands of local, national or global sites from a single computer. If you are away from your security system you can receive intelligent alerts via text message, email or mobile app, and log in from a remote computer.

FEATURES

- Active Directory Integration
- Flexible Video Controls
- Powerful Video Search and Playback
- Low Bandwidth Adaptability
- Advanced Alarm Management
- Powerful Map Integration
- Access Control Management
- Dynamic Smart Walls
- Modern Clients for Web, Workstation and Mobile
- Intuitive Fisheye View Expansion and PTZ Controls
- Facial Recognition Surveillance and Access Control
- License Plate Recognition Management
- Under Vehicle Surveillance System (UVSS)
- Health Monitoring and Audit Trail Assist Maintenance
- Third-Party Integration with OpenSDK
- Flexible Middleware Based on OpenSDK Available

HIKCENTRAL PROFESSIONAL 1.4

	HIKCENTRAL					HIKCENTRAL
Model	HikCentral-VSS-Base/4Ch HikCentral-VSS-Base/16Ch HikCentral-VSS-Base/64Ch HikCentral-VSS-Base/300Ch HikCentral-VSS-Base/HW/64Ch (w/ server) HikCentral-VSS-Base/HW/300Ch (w/ server)	HikCentral-ACS-Base/2Door HikCentral-ACS-Base/16Door	HikCentral-UVSS-Base	HikCentral-RSM-Base/2Site HikCentral-RSM-Base/HW/E3/2Site (w/ server)	**Model**	RoseReplicatorPlus For Windows(USBKEY1) RoseReplicatorPlus For Windows(USBKEY3)
Product Type	Software License **/HW:** Includes Server	Software License	Software License	Software License **/E3:** Includes Server	**Product Type**	High Availability Software
License Type	Video Surveillance System Base	Access Control System Base	Under Vehicle Surveillance System Base	Remote Site Management Base	**License Type**	USB Key
Function	Central Management of Video Surveillance Systems	Central Management of Access Control Systems	Central Management of UVSS	Central Management of Multiple HikCentral Servers	**Function**	Ensure System Availability
Server Specifications	**Software:** None (Requires server or VM) **/E3:** Windows Server 2012 R2, Intel® Xeon® E3-1220 v5, 16GB DDR4, 1TB×2 in RAID 1, 120GB SSD, 1GbE×2, 1U, 3-year Platinum Dell Service	None (Requires server or VM)	None (Requires server or VM)	**Software:** None (Requires server or VM) **/E3:** Windows Server 2012 R2, Intel® Xeon® E3-1220 v5, 16GB DDR4, 1TB×2 in RAID 1, 120GB SSD, 1GbE×2, 1U, 3-year Platinum Dell Service	**Server Specifications**	None (Use on HikCentral servers)
Licensed Devices	**/4Ch:** 4 Cameras **/16Ch:** 16 Cameras **(/HW)/64Ch:** 64 Cameras **(/HW)/300Ch:** 300 Cameras	**/2Door:** 2 Access Points **/16Door:** 16 Access Points	4 UVSS	2 HikCentral Servers	**Licensed Devices**	One Standby Server
Camera Channel Capacity	3,000/Server	0	4	**Software:** 100,000 **/E3:** 18,000		
Access Point Capacity	0	512	0	512 (current site)		
HikCentral User Capacity	3,000	3,000	3000	3000		
Expansion License	HikCentral-VSS-1Camera	HikCentral-ACS-1Door	---	HikCentral-RSM-1Site		
Add-on Modules	• HikCentral-SmartWall-Base • HikCentral-ANPR-Base • HikCentral-FacialReco-Base • HikCentral-BI Report-Base • HikCentral-Thermal Report-Base • All Bases and their compatible licenses	• HikCentral-Attendance-Base • All bases and their compatible licenses	• All bases and their compatible licenses	• All bases and their compatible licenses	**Description**	High availability software to implement a standby server for one or more HikCentral host servers and ensure the CMS system remains operational even when the host server is down. RoseReplicator Plus is the preferred high availability solution for HikCentral servers where maximal uptime is important.
					Purchase Options	**(USBKEY1):** 1 Year Warranty **(USBKEY1):** 3 Year Warranty

Expansion Licenses
HikCentral-VSS-1Camera: Add one camera to VSS base. Orders of multiple camera licenses are provided as one indivisible license key.
HikCentral-ACS-1Door: Add one door/access point to ACS base. Orders of multiple door licenses are provided as one indivisible license key.
HikCentral-RSM-1Site: Add one HikCentral site to RSM base. Orders of multiple site licenses are provided as one indivisible license key.

Add-on Modules
HikCentral-SmartWall-Base: VSS add-on smart wall module for integrated video wall management using Hikvision decoders, video wall controllers and 3rd party graphics cards.
HikCentral-ANPR-Base: VSS add-on automatic number plate recognition (ANPR) module for Hikvision license plate recognition (LPR) camera integration without channel limitation.
HikCentral-FacialReco-Base: VSS add-on facial recognition module for Hikvision facial recognition surveillance camera and NVR integration without channel limitation.
HikCentral-BI Report-Base: VSS add-on business intelligence module for statistical data reporting from Hikvision people counting, queue analysis and heat mapping cameras without channel limitation.
HikCentral-Thermal Report-Base: VSS add-on thermal reporting module for statistical temperature data reporting from Hikvision thermal cameras without channel limitation.
HikCentral-Attendance-Base: ACS add-on attendance module enables personnel shift management and attendance reporting functionality for HikCentral 1.2 or later using access control devices.
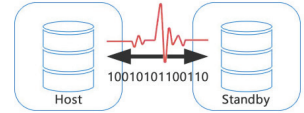
iVMS-4200 Client Software for Microsoft Windows – No Licensing Fee

The Windows-based iVMS-4200 is a versatile client software application for Hikvision video surveillance and access control systems. There are modules for live view, playback, event management, e-maps, attendance and smart device data reporting such as people counting, queue analysis, heat mapping, license plate recognition and facial recognition. The new iVMS-4200 version 3.1 for Windows features a modern user interface, 24/7 data receiving without running the client, fast startup and shutdown times, and completely modular installation with nine selectable modules. The client software is widely applied to small-scale projects when central management is not a necessity. Because there is no central database for multiple clients to synchronize with, each client installation is configured, maintained and operated independently.

Model			iVMS-4200 V3.1 for Windows
Database			SQLite (encrypted)
Client	General	Users	50 users and one super user
		E-Maps	256
		Encoding Devices	256 (DVR, NVR, IPC, encoder)
		Groups	256 groups, 256 channels for each group
		Channels	256 channels total
		Storage Servers	16
		Stream Media Servers	16
	Video	Live View Channels	64-ch live view at a time
		Auxiliary Screen Previews	4 auxiliary screens for live view
		Playback Channels	16-ch playback at a time (asynchronous/synchronous)
		Download Tasks	16-ch downloading tasks at a time
	Access Control	Organizations	10 hierarchies
		People	3,200
		Cards	16,000
		Access Groups	128
		Access Points	64
		Access Controllers	16
		Video Intercom Indoor Stations	512
		Shifts	64
		Time And Attendance Data	Retention time is limited only by available HDD space and amount of the data generated during usage.
Storage Server		Recording Performance	64-ch × 2 Mbps at a time
		VOD Performance	64-ch × 2 Mbps at a time
		iVMS-4200 Client	128 iVMS-4200 clients connected to the Storage Server
Stream Media Server		Incoming/Outgoing Streams	64-ch incoming and 200-ch outgoing video streams

System Recommendations

Minimal	Processor		Intel® Core™ i5-6500
	Memory		8 GB DDR4 RAM
	Operating System		Microsoft® Windows 8.1 (64-bit)
	Video Card		Not required
Intermediate	Processor		Intel® Core™ i7-9700
	Memory		16 GB DDR4 RAM
	Operating System		Microsoft® Windows 10 (64-bit)
	Video Card		NVIDIA® GeForce GTX 1060
Maximal	Processor		Intel® Core™ i9-9900
	Memory		32 GB DDR4 RAM
	Operating System		Microsoft® Windows 10 (64-bit)
	Video Card		NVIDIA® GeForce RTX 2080
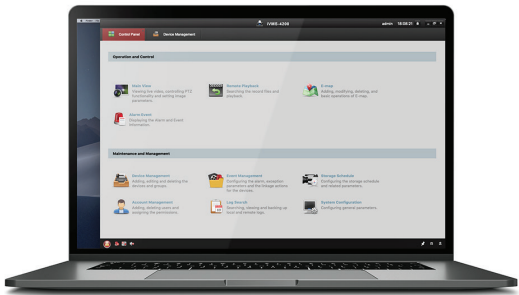
### iVMS-4200 Client Software for Apple macOS – No Licensing Fee

The iVMS-4200 for macOS is now a 64-bit version 2.0 with a new user interface, and new capabilities including Hik-Connect P2P support, thermal camera support, ATM/VCA/POS playback and more. There are modules for live view, playback, event management, and e-maps. It's suitable for Mac users needing to manage small-scale Hikvision video surveillance systems.

System Requirements	Hardware	Mac
	Operating System	macOS 10.12 to 10.14 (64-bit)
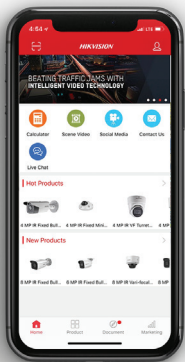
Hikvision Views Mobile App

The Hikvision Views mobile app is a handy assistant for Hikvision dealers and installers. Easily select and compare Hikvision products with detailed information including pictures, specifications, drawings, and accessories. Use the included calculators for storage, bandwidth, NVR and lens estimations during the system design and product selection stage. Multiple languages including English, Spanish, and Portuguese are supported.
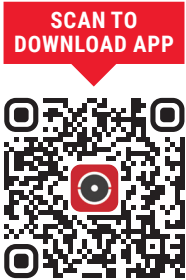
Hik-Connect P2P/DDNS Platform and Mobile App

Quickly and securely set up your video surveillance and intercom systems for remote viewing on Android and Apple smartphones and tablets using the Hik-Connect mobile app, and on Windows and Mac computers using the iVMS-4200 client software. Hik-Connect allows users to stay in touch with home and business even when away with live video, event notifications, two-way audio communication, door intercom answering and unlocking, and video playback. See a comparison of the cloud peer-to-peer (P2P) and dynamic domain name system (DDNS) services provided for free by Hik-Connect below.

Hik-Connect Service	Cloud P2P	DDNS
Live Views	16-ch/page, 256-ch/group	16-ch/page, 256-ch/group
Multi-Playback Limit	4-ch	4-ch
Streaming Limit	5 min/play	Unlimited
Anonymous Usage	✔	✔
Hik-Connect App Support	✔	✔
iVMS-4200 Support	✔	✔
HikCentral Support	---	✔
Web Browser Support	---	✔
No Port Forwarding	✔	---
Dual Authentication (Hik-Connect and Device)	---	✔
Device Sharing Management	✔	---

IP CAMERA COMPARISON CHART

Levels	VALUE EXPRESS	VALUE	PERFORMANCE	PROFESSIONAL	
Key Features	• Entry-level budget cameras • 2 and 4 MP models • Fixed and varifocal lenses and PTZs • New numbering scheme • Matching 4- and 8-channel NVRs	• A step up without stretching the budget • Uses the latest video compression (H.265+) • Multiple resolutions available • Multiple lens sizes, includes varifocal • Latest EXIR 2.0 IR technology	• Our most popular cameras • Models include all form factors • Integrates well with Pro and Plug and Play NVRs • ColorVu (2xx7) 24/7 color imaging • AcuSense (2x46) human and vehicle detection	• High performance, fully-loaded project cameras • Wider field of view with ƒ/1.2 lens; unique rapid auto-focus • Unique anti-reflection dome with anti-fog lens cover • Up to 10 video streams share video at multiple locations	• All the same high performance specs as 5 Series • Deep Learning video analysis • Human and vehicle detection • Advanced face-capture capability • Best cameras for DeepinMind NVRs
Series	ECI	2xx3	2xx5 ColorVu 2xx7 AcuSense 2x46	5 Series	DeepinView 7 Series
Image Quality	2 MP: 0.028 Lux, Digital WDR 4 MP: 0.018 Lux, 120 dB True WDR	2 MP: 0.028 Lux 4/6 MP: 0.018 Lux 120 dB True WDR	2 MP: 0.008 Lux – 0.0035 Lux (2xx7) 4 MP: 0.009 Lux – 0.0014 Lux (2xx7) 4 MP: 0.009 Lux – 0.012 Lux (2x46) 5 MP: 0.027 Lux 6/8 MP: 0.016 Lux Powered by DarkFighter 120 dB True WDR	2/4 MP: Color: 0.002 Lux 6/8/12 MP: Color: 0.009 Lux 2/4 MP DarkFighter: 120 dB True WDR 2/4 MP: 140 dB WDR	2/4 MP: Color: 0.002 Lux 6/8/12 MP: Color: 0.007 Lux 2/4 MP DarkFighter: 120 dB True WDR 2/4 MP: 140 dB WDR
Max Resolution	4 MP	6 MP	8 MP	12 MP	8 MP
Codec	H.265+	H.265+	H.265+	H.265+	H.265+
Video Content Analysis	---	3 VCA Line Crossing, Intrusion, Face Detection	5 VCA Includes Value VCA plus, Object Removal, Unattended Baggage	10 VCA Includes Performance VCA plus, Entry and Exit Detection, Scene Change, Audio Exception, Defocus	10 VCA Includes 5 series VCA plus Human/Vehicle/Face detection with Deep Learning GPU
Multiple Streams	2	3	3	10	10
Max Frame Rate	30 fps	30 fps	2 MP @ 60 fps (2xx5) 2 MP @ 30 fps (2xx7)	2 MP @ 60 fps	2 MP @ 60 fps
EXIR 2.0 Range Max (meters)	EXIR, 30	30	8/10/30/50 (2xx7 White Light)	10/30/50	30/50/100
Power Output for PIR, Sensors, Microphones	---	---	2xx7 includes white light 2x46 includes strobe light and alarm (SL models)	✔	✔
Electric Image Stablization/ Defog	---	---	---	✔	✔
Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F) Outdoor models with heaters only	-40° C to 60° C (-40° F to 140° F) Outdoor models with heaters only

Smart Pro IP solutions include a wide array of products for professional applications. Enhanced with Hikvision smart technologies, Hikvision's smart IP and PTZ cameras, specialty stainless steel cameras and upright PTZs, PanoVu multi-sensor cameras, thermal solutions, the HikCentral central management system, and Smart NVRs—are all designed to deliver intelligent security for the modern marketplace. The Professional Solutions line delivers high performance technology for enterprise applications. Whether you're securing a large facility or small business, you will find the most advanced products in the Professional Solutions product offering.

12 MP Outdoor Varifocal Network Dome Camera
DS-2CD55C5G0-IZHS

Smart Pro IP Cameras

FEATURES

- High performance, fully-loaded project cameras with up to 140 dB WDR (Wide Dynamic Range) and up to 20 MP in PanoVu multi-sensor cameras, with lenses ranging from fixed to 50x optical zoom in PTZ cameras.
- Multiple form factors, including indoor/ outdoor dome, bullet, fisheye, covert and 360-degree panoramic view domes.
- Thermal cameras with low, medium and high resolutions, pseudo colors and accurate fire detection.

- Smart analytics add to the high-performance capabilities and include detection of line crossing, intrusion, region entrance and exit, unattended baggage, object removal, scene change, sudden audio increase/decrease, audio loss, defocus, object counting, defog and LPR (license plate recognition).

NETWORK CAMERAS - SMART PRO SERIES

	BOX CAMERA	INDOOR DOME	OUTDOOR BULLET	OUTDOOR DOME	OUTDOOR BULLET
	DarkFighter LightFighter EXIR 2.0 2/4 MP ONLY *Lens not included	DarkFighter LightFighter EXIR 2.0 2/4 MP ONLY	DarkFighter LightFighter EXIR 2.0 2/4 MP ONLY	DarkFighter LightFighter EXIR 2.0 2/4 MP ONLY	EXIR
Model	DS-2CD5026G0-AP DS-2CD5046G0-AP DS-2CD5065G0-AP DS-2CD5085G0-AP DS-2CD50C5G0-AP	DS-2CD5126G0-IZS DS-2CD5146G0-IZS DS-2CD5165G0-IZS DS-2CD5185G0-IZS DS-2CD51C5G0-IZS	DS-2CD5A26G0-IZHS DS-2CD5A26G0-IZHS8 DS-2CD5A46G0-IZHS DS-2CD5A46G0-IZHS8 DS-2CD5A65G0-IZHS DS-2CD5A85G0-IZHS DS-2CD5A85G0-IZHS8 DS-2CD5AC5G0-IZHS	DS-2CD5526G0-IZHS DS-2CD5526G0-IZHS8 DS-2CD5546G0-IZHS DS-2CD5546G0-IZHS8 DS-2CD5565G0-IZHS DS-2CD5585G0-IZHS DS-2CD5585G0-IZHS8 DS-2CD55C5G0-IZHS	DS-2CD4A24FWD-IZH
Megapixels	2/4/6/8/12 MP	2/4/6/8/12 MP	2/4/6/8/12 MP	2/4/6/8/12 MP	2 MP
Min. Illumination (lux)	**2/4 MP**: Color: 0.002 @ ƒ/1.2 **6/8/12 MP**: Color: 0.009 @ ƒ/1.2 B/W: 0.000 @ ƒ/1.2	**2/4 MP**: Color: 0.002 @ ƒ/1.2, **6/8/12 MP**: Color: 0.009 @ ƒ/1.2, B/W: 0.000 @ ƒ/1.2	**2/4 MP** Color: 0.002 @ ƒ/1.2, **6/8/12 MP**: Color: 0.009 @ ƒ/1.2, B/W: 0.000 @ ƒ/1.2	**2/4 MP** Color: 0.002 @ ƒ/1.2, **6/8/12 MP**: Color: 0.009 @ ƒ/1.2, B/W: 0.000 @ ƒ/1.2	Color: 0.007 @ ƒ/1.4, B/W: 0 with IR
Lens	Auto back focus, C/CS mount	2.8 to 12 mm @ ƒ/1.2, motorized, autofocus	**IZHS**: 2.8 to 12 mm @ ƒ/1.2, motorized, autofocus **IZHS8**: 8 to 32 mm @ ƒ/1.4 motorized, autofocus	**IZHS**: 2.8 to 12 mm @ ƒ/1.2, motorized, autofocus **IZHS8**: 8 to 32 mm @ ƒ/1.4 motorized, autofocus	4.7 to 94 mm @ ƒ/1.4 motorized, autofocus
Day/Night, BLC, WDR	**2/4 MP**: TRUE, Yes, 140 dB **6/8/12 MP**: TRUE, Yes, 120 dB	**2/4 MP**: TRUE, Yes, 140 dB **6/8/12 MP**: TRUE, Yes, 120 dB	**2/4 MP**: TRUE, Yes, 140 dB **6/8/12 MP**: TRUE, Yes, 120 dB	**2/4 MP**: TRUE, Yes, 140 dB **6/8/12 MP**: TRUE, Yes, 120 dB	TRUE, Yes, 120 dB
IR Range Max (meters)	---	30 (8-32 mm lens = 50 m)	50 (8-32 mm lens = 100 m)	30 (8-32 mm lens = 50 m)	120
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	**2 MP**: 1920x1080, 60 **4 MP**: 2560x1440, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 30 **12 MP**: 4000x3000, 20	**2 MP**: 1920x1080, 60 **4 MP**: 2560x1440, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 30 **12 MP**: 4000x3000, 20	**2 MP**: 1920x1080, 60 **4 MP**: 2560x1440, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 30 **12 MP**: 4000x3000, 20	**2 MP**: 1920x1080, 60 **4 MP**: 2560x1440, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 30 **12 MP**: 4000x3000, 20	1920x1080, 30
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	---	IN: 1 line OUT: 1 line	---
Alarm Input/Output	2/2	1/1	2/2	1/1	---
Ratings	UL/cUL Listed	IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30 °C to 60 °C (-22 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	24V AC, 12V DC, PoE (802.3af), 7 W	12V DC, PoE (802.3af), 8 W	12V DC, PoE (802.3af), 15 W	12V DC, PoE (802.3af), 14 W	12V DC, PoE+ (802.3at), 15.5 W
Brackets	WBS, PP2	PC130, WML, CPM, CPME, PM, CM, RCM-1, AB135	PM1, CM1	PC155, WML, CPM , PM1, CM1	Includes CB130

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP models.

NETWORK CAMERAS - SMART PRO SERIES

	LICENSE PLATE RECOGNITION		FISHEYE INDOOR	FISHEYE OUTDOOR	ULTRA-WIDE PANORAMIC OUTDOOR	CORNER FISHEYE	DETENTION GRADE CORNER MOUNT
Model							
	DS-2CD4A26FWD-IZHS/P **DS-2CD4A26FWD-IZHS8/P**	**DS-2CD7A26G0/P-IZHS** **DS-2CD7A26G0/P-IZHS8**	**DS-2CD6332FWD-I** **DS-2CD6332FWD-IS** **DS-2CD6362F-I** **DS-2CD6362F-IS**	**DS-2CD6332FWD-IV** **DS-2CD6362F-IV** **DS-2CD6362F-IVS** **DS-2CD63C2F-IV** **DS-2CD63C2F-IVS**	**DS-2CD6W32FWD-IVS**	**DS-2CD6W32FWD-IVSC**	**DS-2CD6W32FWD-IVSD**
Megapixels	2 MP	2 MP	3/6 MP	3/6/12 MP	3 MP	3 MP	3 MP
Min. Illumination (lux)	Color: 0.0027 @ ƒ/1.4 B/W: 0 with IR	Color: 0.002 @ ƒ/1.2 B/W: 0 with IR	**3 MP:** Color: 0.28 @ ƒ/2.0 **6 MP:** Color: 0.25 lux @ ƒ/2.6 **3/6 MP:** B/W: 0 with IR	**3 MP:** Color: 0.28 @ ƒ/2.0 **6 MP:** Color: 0.25 @ ƒ/2.6 **12 MP:** Color: 0.04 @ ƒ/2.4 **3/6/12 MP:** B/W: 0 with IR	Color: 0.4 @ ƒ/2.4, AGC On B/W: 0 with IR	Color: 0.4 @ ƒ/2.4, AGC On B/W: 0 with IR	Color: 0.4 @ ƒ/2.4, AGC on B/W: 0 with IR
Lens	**IZHS:** 2.8 to 12 mm @ ƒ/1.4, motorized, autofocus **IZHS8:** 8 to 32 mm @ ƒ/1.4, motorized, autofocus	**IZHS:** 2.8 to 12 mm @ ƒ/1.2, motorized, autofocus **IZHS8:** 8 to 32 mm @ ƒ/1.2, motorized, autofocus	**3 MP:** 1.19 mm (360°) @ ƒ/2.0 **6 MP:** 1.27 mm (360°) @ ƒ/2.6	**3 MP:** 1.19 mm (360°) @ ƒ/2.0 **6 MP:** 1.27 mm (360°) @ ƒ/2.6 **12 MP:** 2 mm (360°) @ ƒ/2.4	2 mm @ ƒ/2.4	2 mm @ ƒ/2.4	2 mm (135°×98°) @ ƒ/2.4
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 140 dB	**3 MP:** TRUE, Yes, 120 dB **6 MP:** True, Yes, Digital	**3 MP:** TRUE, Yes, 120 dB **6/12 MP:** True, Yes, Digital	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB
IR Range Max (meters)	**IZHS8/P:** 50 **IZHS/P:** 100	**IZHS:** 50 **IZHS8:** 100	15	15	15	15	15
Video Compression	H.264+/H.264/MPEG4/MJPEG	H.265+/H.265/H.264+/H.264	H.264/MJPEG	H.264/MJPEG	H.264	H.264	H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 60	**3 MP:** 1536×1536, 30 **6 MP:** 2048×2048, 30	**3 MP:** 1536×1536, 30 **6 MP:** 2048×2048, 30 **12 MP:** 3072×3072, 24	2048x1536, 30	2048x1536, 30	2048×1536, 30
Audio Input/Output	IN: 1 line/mic OUT: 1 line	---	**-I:** Built-in mic and speaker **-IS:** Built in mic/audio in, Speaker/audio out	**-IV:** Built-in mic and speaker **-IVS:** Built in mic/audio in, Speaker/audio out	Built-in speaker and mic	Built-in speaker and mic	Built in mic/audio in, Speaker/audio out
Alarm Input/Output	1/1	2/2	**-IS:** 1/1	**S model:** 1/1	1/1	1/1	1/1
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-10° C to 50° C (-14° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC, PoE+ (802.3at), 21 W	12V DC, PoE+ (802.3at), 17 W	12V DC/PoE (802.3af), 12.5 W	12V DC/PoE (802.3af), **3/6 MP:** 12 W, **12 MP:** 14.7 W	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12 W
Brackets	Includes CB130	PM, CM, PM-LPR	PC-FE, AB-FE, CB-FE, CPM	PC-FE, AB-FE, CB-FE, CPM	Included	Included	---

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.

PROFESSIONAL SOLUTIONS

NETWORK CAMERAS - SMART PRO SERIES

	COVERT BASE UNIT	COVERT LENS ONLY		COVERT BASE UNIT + LENS						HEIGHT STRIP
Model										
	DS-2CD6412FWD-C2	DS-2CD6412FWD-L10	DS-2CD6412FWD-L20	DS-2CD6412FWD-L30	DS-2CD6424FWD-10	DS-2CD6424FWD-20	DS-2CD6424FWD-30	DS-2CD6424FWD-40/E1	DS-2CD6424FWD-40/E2	DS-2CD6424FWD-20/E
Megapixels	---	1.3 MP	1.3 MP	1.3 MP	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Min. Illumination (lux)	---	Color: 0.04 @ ƒ/2.3	Color: 0.04 @ ƒ/2.3	Color: 0.03 @ ƒ/2.0	Color: 0.028 @ ƒ/2.0, AGC ON	Color: 0.028 @ ƒ/2.0, AGC ON	Color: 0.028 @ ƒ/2.0, AGC ON	Color: 0.028 @ ƒ/2.0, AGC ON	Color: 0.028 @ ƒ/2.0, AGC ON	Color: 0.028 @ ƒ/2.0, AGC ON
Lens	Lens dependent	Fixed, 3.7 mm @ ƒ/2.3	Fixed, 3.7 mm @ ƒ/2.3	Fixed, 2.8 mm, 4 mm @ ƒ/2.0	Fixed 3.7 mm @ ƒ/2.5, cylindrical pinhole	Fixed 3.7 mm @ ƒ/2.5, L-shaped, pinhole	Fixed 2.8 mm @ ƒ/2.0, Tube	Fixed 2.8 mm @ ƒ/2.0, Ball with Turret mount	Fixed 2.8 mm @ ƒ/2.0, Ball with in-ceiling mount	Fixed 3.7 mm @ ƒ/2.5, L-shaped, pinhole
Day/Night, BLC, WDR	---	Electronic, No, 120 dB	Electronic, No, 120 dB	Electronic, No, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB
IR Range Max (meters)	---	---	---	---	---	---	---	---	---	---
Video Compression	H.264/ MPEG4/ MJPEG	---	---	---	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	---
Max. Image Resolution (pixels) and Frame Rate	---	1280x960, 30	1280x960, 30	1280x960, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30
Audio Input/Output	IN: 1 line/mic OUT: 1 line	---	---	---	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
Alarm Input/Output	1/1	---	---	---	1/1	1/1	1/1	1/1	1/1	1/1
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 8.5 W	Powered by Base Unit	Powered by Base Unit	Powered by Base Unit	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W
Brackets	---	Included	Included	Included	Included	Included	Included	Included	Included	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.

NETWORK PTZ CAMERAS - SMART PRO SERIES

	INDOOR	OUTDOOR	OUTDOOR	OUTDOOR
			DarkFighter	DarkFighter
Model	DS-2DF5232X-AE3	DS-2DF5232X-AEL	DS-2DF6225X-AEL	DS-2DF6A236X-AEL DS-2DF6A436X-AEL DS-2DF6A836X-AEL
Megapixels	2 MP	2 MP	2 MP	2/4/8 MP
Min. Illumination (lux)	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.002 @ ƒ/1.5 B/W: 0.0002 @ ƒ/1.5	**2/4 MP:** Color: 0.002 @ ƒ/1.5 B/W: 0.0002 @ ƒ/1.5 **8 MP:** Color: 0.005 @ ƒ/1.5 B/W: 0.0005 @ ƒ/1.5
Lens	4.5 to 144 mm, motorized zoom, autofocus	4.5 to 144 mm, motorized zoom, autofocus	5.7 to 142.5 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus
Optical Zoom	32x	32x	25x	36x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-15° to 90° (auto flip)	-20° to 90° (auto flip)
Pan & Tilt Speed (manual)	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 300°/sec & 0.1°/s to 240°/sec	0.1°/s to 350°/sec. & 0.1°/s to 240°/sec.
Pan & Tilt Speed (preset)	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.	540°/sec. & 400°/sec.
Day/Night, BLC, WDR, EIS	TRUE, Yes, 120 dB, Yes	TRUE, Yes, 120 dB, Yes	TRUE, Yes, 120 dB, Yes	TRUE, Yes, 120 dB, Yes
IR Range Max (meters)	---	---	---	---
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1920x1080, 30	**2 MP:** 1920×1080, 30 **4 MP:** 2560x1440, 30 **8 MP:** 4096x2160, 30
Ratings	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10 UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)
Power Requirements (max.)	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included
Brackets	Ceiling Recess/Flush Mount Included	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM-G, JBPW-L-G, CMP-JB-G, PMP-JB-G, CPM-S-G, CPM-L-G, CPMPE-G

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

NETWORK PTZ CAMERAS - SMART PRO SERIES

	OUTDOOR	DarkFighter	DarkFighter	DarkFighter	DarkFighter
Model	DS-2DF7232IX-AELW	DS-2DF8236IX-AELW	DS-2DF8236I5X-AELW DS-2DF8250I5X-AELW	DS-2DF8436IX-AELW DS-2DF8436I5X-AELW	DS-2DF8836IX-AELW DS-2DF8836I5X-AELW
Megapixels	2 MP	2 MP	2 MP	4 MP	4K
Min. Illumination (lux)	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.002 @ ƒ/1.5 B/W: 0.0002 @ ƒ/1.5	**8236:** Color: 0.002 @ ƒ/1.5 B/W: 0.0002 @ ƒ/1.5, 0 with IR **8250:** Color: 0.01 @ ƒ/1.8 B/W: 0.0001 @ ƒ/1.8, 0 with IR	**8436:** Color: 0.005 @ ƒ/1.5 B/W: 0.0005 @ ƒ/1.5 **8436I5:** Color: 0.002 @ ƒ/1.5 B/W: 0.0002 @ ƒ/1.5	Color: 0.005 @ ƒ/1.5 B/W: 0.0005 @ ƒ/1.5
Lens	4.5 to 144 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	**8236:** 5.7 to 205.2 mm, motorized zoom, autofocus **8250:** 6.6 to 330 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	7.5 to 270 mm, motorized zoom, autofocus
Optical Zoom	32x	36x	**8236:** 36x **8250:** 50x	36x	36x
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-10° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	20° to 90° (auto flip)
Pan & Tilt Speed (manual)	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.	**8236:** 0.1°/s to 210°/sec. & 0.1°/s to 150°/sec. **8250:** 0.1°/s to 160°/s & 0.1°/s to 120°/s	0.1°/s to 210°/sec. & 0.1°/s to 150°/sec.	0.1° to 210°/sec. & 0.1° to 150°/sec.
Pan & Tilt Speed (preset)	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.	**8236:** 280°/sec. & 250°/sec. **8250:** 240°/s & 200°/s	280°/sec. & 250°/sec.	280°/sec. & 250°/sec.
Day/Night, BLC, WDR, EIS	True, Yes, 120 dB, Yes	True, Yes, 120 dB, Yes	True, Yes, 120 dB, Yes	True, Yes, 92 dB, Yes	True, Yes, Digital, Yes
IR Range Max (meters)	150	200	500	**8436:** 200 **8436I5:** 500	**8836:** 200 **8836I5:** 500
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1920x1080, 30	2560x1440, 30	**8836:** 3840x2160, 30 **8836I5:** 4096x2160, 30
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 65° C (-40° F to 149° F)
Power Requirements (max.)	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included	24V AC (Max. 60 W), Hi-PoE (Max. 50 W), PoE Injector Included	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included
Brackets	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

MULTI-SENSOR PANOVU CAMERAS - SMART PRO SERIES

	OUTDOOR			INDOOR	
Model	DS-2CD6D24FWD-Z DS-2CD6D24FWD-IZHS	DS-2CD6D54FWD-Z DS-2CD6D54FWD-IZHS	DS-2CD6924F-IS	DS-2PT5326IZ-DE	DS-2PT3326IZ-DE3
Megapixels	8 MP (4×2 MP)	20 MP (4×5 MP)	8 MP (4×2 MP Stitched or Separate)	8 MP (4×2 MP)	8 MP (4×2 MP)
Min. Illumination (lux)	Color: 0.01 @ ƒ/1.6, AGC on B/W: 0.003 @ ƒ/1.6, AGC on **-I:** B/W: 0 with IR	Color: 0.01 @ ƒ/1.6, AGC on B/W: 0.003 @ ƒ/1.6, AGC on **-I:** B/W: 0 with IR	Color: 0.007 @ ƒ/1.8, AGC on B/W: 0.002 @ ƒ/1.8, AGC on 0 with IR	**Fixed:** Color: 0.005 @ ƒ/1.6, AGC on **PTZ:** Color: 0.005 @ ƒ/1.6, AGC on	**Fixed:** Color: 0.05 @ ƒ/2.0, AGC on **PTZ:** Color: 0.05 @ ƒ/2.0, AGC on
Lens	2.8 to 12 mm	2.8 to 12 mm	4 mm	**Fixed:** 4 mm **PTZ:** 5 to 50 mm	**Fixed:** 2 mm **PTZ:** 2.8 to 12 mm
Horizontal Angle of View	30° to 96.3° per sensor	30° to 101° per sensor	180° Stitched	80.7° per fixed sensor	128.5° per fixed sensor
Pan/Tilt/Rotation	-180° to 180°/0° to 135°/0° to 355°	-180° to 180°/0° to 135°/0° to 355°	0° to 355°/0° to 90°/---	0° to 340°/0° to 90°/---	0° to 350°/0° to 90°/---
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, Digital	True, Yes, Digital
IR Range Max. (meters)	**Z:** --- **IZHS:** 30	**Z:** --- **IZHS:** 30	20	**Fixed:** 30 **PTZ:** 50	10
Video Compression	H.265+/H.264/MJPEG	H.265+/H.264/MJPEG	H.265+/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Image Resolution (pixels)	**Fixed:** 4x 1980×1080	**Fixed:** 4x 2560×1920	**Stitched Panoramic:** 4096×1800	**Fixed:** 3x 1920×1080 **PTZ:** 1x 1920×1080	**Fixed:** 3x 1920×1080 **PTZ:** 1x 1920×1080
Motion Detection	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	2/2	2/2	2/2	1/1	---
Local Storage	Built-in MicroSD/SDHC/SDXC slot, up to 128 GB	Built-in MicroSD/SDHC/SDXC slot, up to 128 GB	Support MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 256 GB	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 65° C (-22° F to 149° F)	-10° C to 50° C (14° F to 122° F)
Power Requirements (max.)	**IZHS:** Hi-PoE: 42.5V DC to 57V DC, 38 W PoE Injector Included **Z:** 24V AC, 12V DC, PoE+ (802.3at) 17 W	**IZHS:** Hi-PoE: 42.5V DC to 57V DC, 38 W PoE Injector Included **Z:** 24V AC, 12V DC, PoE+ (802.3at) 17 W	12V DC, 1.5A, max. 18 W PoE (802.3at, 42.5V to 57V), 0.6A to 0.4A, max. 25 W	12V DC & PoE+ (802.3 at, class 4) Max. 27 W (Max. 9 W for IR)	12V DC & PoE+ (802.3 at, class 4), Max. 24 W (Max. 6 W for IR)
Brackets	RPM, WMP-L, WMP-PV, PMP, CMP JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	WMP-PM, CPM-PM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

PROFESSIONAL SOLUTIONS

THERMAL CAMERAS - SMART PRO AND PERFORMANCE SERIES

	PERFORMANCE SERIES		SMART PRO SERIES									SMART PRO SERIES THERMOGRAPHY BULLET		
	RESOLUTION: Low		**RESOLUTION: Medium**					**RESOLUTION: High**				**RESOLUTION: Medium**		
Model	DS-2TD2117-3/V1 DS-2TD2117-6/V1		DS-2TD2136-7 DS-2TD2136-10 DS-2TD2136-15 DS-2TD2136-25 DS-2TD2136-35					DS-2TD2166-7 DS-2TD2166-15 DS-2TD2166-25 DS-2TD2166-35				DS-2TD2136T-10 DS-2TD2136T-15 DS-2TD2136T-25		
Thermal Pixels, Pitch, Sensor	160x120, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA					640x512, 17 µm, Vanadium Oxide UFPA				384x288, 17 µm, Vanadium Oxide UFPA		
Spectral Response, NETD	8 to 14 µm, < 40mk @ 25°C		8 to 14 µm, < 35mk @ 25°C					8 to 14 µm, < 40mk @ 25°C				8 to 14 µm, < 40mk @ 25°C		
Frame Rate @ Resolution	5 fps @ 384x288 (upscaled) (main, sub and third stream)		50 fps @ 384x288 (main, sub and third stream)					50 fps @ 384x288 (main, sub and third stream)				50 fps @ 384x288 (main, sub and third stream)		
Lens Focal Length	3.1 mm	6.2 mm	7 mm	10 mm	15 mm	25 mm	35 mm	7 mm	15 mm	25 mm	35 mm	10 mm	15 mm	25 mm
Field of View (HxV)	(51°x37.2°)	(25°x18.7°)	(60°x43.8°)	(36°x27°)	(24.6°x18.5°)	(14.9°x11.2°)	(10.7°x8.0°)	(88.5°x73.2°)	(42.5°x33.6°)	(24.6°x19.8°)	(17.7°x14.2°)	(37.2°x28.3°)	(24.6°x18.5°)	(14.9°x11.2°)
IFOV (mRad), Min. Focus Distance	5.48, 0.2 m	2.74, 0.6 m	2.42, 0.8 m	1.7, 1.0 m	1.13, 2.5 m	0.68, 13 m	0.49, 40 m	2.42, 0.8 m	1.13, 2.5 m	0.68, 13 m	0.49, 40 m	1.7, 1.0 m	1.13, 2.5 m	0.68, 13 m
Video Compression	H.265+/H.265/H.264+/H.264/ MJPEG		H.265+/H.265/H.264+/H.264/MJPEG					H.265+/H.265/H.264+/H.264/MJPEG				H.265+/H.265/H.264+/H.264/MJPEG		
Image Enhancement	3D DNR, Adaptive AGC, DDE, 15 Palettes		3D DNR, Adaptive AGC, DDE, 15 Palettes					3D DNR, Adaptive AGC, DDE, 15 Palettes				3D DNR, Adaptive AGC, DDE, 15 Palettes		
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy		Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy					Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy				Monitor 10 points, 10 regions and 1 line within -20–550°C, Max (±2°C, ±2%) accuracy		
Accurate Fire Detection	10 detection points²		10 detection points²					10 detection points²				10 detection points²		
Alarm I/O, Audio I/O	2/2, 1/1		2/2, 1/1					2/2, 1/1				2/2, 1/1		
Ratings	IP66 UL/cUL Listed		IP66 UL/cUL Listed					IP66 UL/cUL Listed				IP66 UL/cUL Listed		
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)		-40° C to 65° C (-40° F to 149° F)					-40° C to 65° C (-40° F to 149° F)				-40° C to 65° C (-40° F to 149° F)		
Power Requirements (max.)	12V DC, PoE (802.3af), 8 W		12V DC, 24V AC, PoE+ (802.3at), 8 W (20 W with De-icing Heater On)					12V DC, 24V AC, PoE+ (802.3at), 8 W (22 W with De-icing Heater On)				12V DC, 24V AC, PoE+ (802.3at), 8 W (20 W with De-icing Heater On)		

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.
1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.
2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

THERMAL CAMERAS - SMART PRO AND PERFORMANCE SERIES

THERMOGRAPHY BULLET - SMART PRO SERIES

RESOLUTION: **High**

Model	DS-2TD2166T-15 DS-2TD2166T-25	
Thermal Pixels, Pitch, Sensor	640x512, 17 µm, Vanadium Oxide UFPA	
Spectral Response, NETD	8 to 14 µm, < 40mk @ 25°C	
Frame Rate @ Resolution	50 fps @ 640x512 (main, sub and third stream)	
Lens Focal Length	15 mm	25 mm
Field of View (HxV)	(42.5°x33.6°)	(24.6°x19.8°)
IFOV (mRad), Min. Focus Distance	1.13 2.5 m	0.68, 13 m
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	
Image Enhancement	3D DNR, Adaptive AGC, DDE, 15 Palettes	
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20−550°C, Max (±2°C, ±2%) accuracy	
Accurate Fire Detection	10 detection points[2]	
Alarm I/O, Audio I/O	2/2, 1/1	
Ratings	IP66, UL/cUL Listed	
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)	
Power Requirements (max.)	12V DC, 24V AC, 8 W (22 W with De-icing Heater On)	

THERMAL-OPTICAL CAMERAS - PERFORMANCE SERIES / THERMAL-OPTICAL CAMERAS - SMART PRO SERIES

Bi-spectrum DeepinView RESOLUTION: **Low** | Bi-spectrum DeepinView RESOLUTION: **Low** | Bi-spectrum RESOLUTION: **Medium**

	Model	DS-2TD1217-2/V1 DS-2TD1217-3/V1 DS-2TD1217-6/V1			DS-2TD2617-3/V1 DS-2TD2617-6/V1		DS-2TD2636-10 DS-2TD2636-15	
THERMAL	Thermal Pixels, Pitch, Sensor	160x120, 17 µm, Vanadium Oxide UFPA			160x120, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA	
	Spectral Response, NETD	8 to 14 µm, < 40 mk @ 25°C			8 to 14 µm, < 40 mk @ 25°C		8 to 14 µm, < 40 mk @ 25°C	
	Frame Rate @ Resolution	25 fps @ 320x240 (upscaled)			25 fps @ 320x240 (upscaled)		50 fps @ 384x288	
	Lens Focal Length	1.8 mm	3.1 mm	6.2 mm	3.1 mm	6.2 mm	10 mm	15 mm
	Field of View (HxV)	(90.0°x66.4°)	(50.0°x37.2°)	(25.0°x18.7°)	(50.0°x37.2°)	(25.0°x18.7°)	(37.7°x28.7°)	(24.2°x18.7°)
	IFOV (mRad), Min. Focus Distance	9.44, 0.1 m	5.48, 0.2 m	2.83, 0.6 m	5.48, 0.2 m	2.74, 0.6 m	1.70, 1.0 m	1.13, 2.5 m
OPTICAL	Optical Sensor	2 MP, 1/2.7" CMOS			2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS	
	Frame Rate @ Resolution	30 fps @ 1920x1080, 1280x960, 1280x720			30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720	
	Min. Illumination (lux)	Color: 0.002 @ f/1.6, AGC on B/W: 0.001 @ f/1.6, AGC on			Color: 0.002 @ f/1.6, AGC on B/W: 0.001 @ f/1.6, AGC on		Color: 0.003 @ f/1.6, AGC on B/W: 0.001 @ f/1.6, AGC on	
	Lens, Field of View (HxV)	2.1 mm	4 mm (87°x46.2°)	6 mm (53°x30°)	4 mm (87°x46.2°)	6 mm (53°x30°)	6 mm (52.8°x30.0°)	8 mm (40.0°x22.4°)
	IR Range Max (meters)	15			40		40	
	Video Compression	H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG	
	Image Enhancement	Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes			Image Fusion, PiP, DWDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, DWDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes	
	Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20−150°C, ±8°C accuracy			Monitor 10 points, 10 regions and 1 line within -20−150°C, ±8°C accuracy		Monitor 10 points, 10 regions and 1 line within -20−150°C, ±8°C accuracy	
	Accurate Fire Detection	10 detection points[2]			10 detection points[2]		10 detection points[2]	
	Alarm I/O, Audio I/O	1/1, 1/1			2/2, 1/1		2/2, 1/1	
	Ratings	IP67, UL/cUL Listed			IP66, UL/cUL Listed		IP66, UL/cUL Listed	
	Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)			-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)	
	Power Requirements (max.)	12V DC, PoE (802.3af), 8.5 W			12V DC, PoE (802.3af), 12 W		12V DC, 24V AC, PoE+ (802.3at), 10 W (20 W with De-icing Heater On)	

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, ISAPI (RESTful), Hikvision SDK and third party VMS.
1. Smart Suite: Refer to Data Sheet. Only availalbe in VCA + Temperature Alarm mode.
2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

PROFESSIONAL SOLUTIONS

For those applications where performance is important and budgets are limited, Hikvision offers its Performance and Value Series products. Equipped with some of the Smart Pro features, these products deliver greater flexibility with select feature sets. A selection of Performance cameras and Value PTZs includes DarkFighter technology (Powered by DarkFighter) to enhance performance in low light conditions. And Value Series cameras are now available in 8 MP (4K UHD) resolution.

4 MP Outdoor AcuSense Varifocal Bullet Camera
DS-2CD2646G1-IZS

Performance & Value IP Cameras

FEATURES

- Hikvision's latest H.265+ video compression technology, which captures surveillance video using a decreased bitrate, reducing bandwidth requirements and storage costs.
- EXIR 2.0, which uses the latest manufacturing components and techniques to improve low light performance, efficiency and lifetime of the IR device.

- Powered by DarkFighter technology in Performance Series cameras and Value PTZ's increases sensitivity in low light conditions.

Performance Cameras

New technologies have been added to our cameras in Performance Solutions including Hikvision AcuSense and ColorVu products.

AcuSense technology makes advanced video content analysis and deep learning algorithms available to SMBs for the first time. AcuSense filters false alarms and will recognize targets, classifying them as human, vehicle, or others. Hikvision AcuSense works by disregarding movements in nature, such as animals, rain or leaves, while triggering alerts when vehicles or humans are detected by a camera or a backend NVR.

Hikvision ColorVu cameras deliver crisp, full color, full motion video in complete darkness, by using a high-performance sensor, a large iris, and gentle supplemental lighting. ColorVu offers many benefits:

- Clear, full color images—day and night—with brilliant detail and clarity for rapid identification of suspects.
- Improved safety for employees and customers walking in parking lots or other poorly lit areas at all times of day and night. It illuminates darkened walkways within cities, buildings, or on campuses.
- It reduces risk around the clock, and enhances details when reviewing footage after an incident.

ACUSENSE CAMERA - PERFORMANCE SERIES

	OUTDOOR DOME	TURRET	OUTDOOR BULLET	
Model	DS-2CD2146G1-IS	DS-2CD2346G1-I DS-2CD2346G1-I/SL	DS-2CD2T46G1-4I	DS-2CD2T46G1-4I/SL
Megapixels	4 MP	4 MP	4 MP	
Min. Illumination (lux)	Color: 0.012 @ ƒ/1.6 B/W: 0 with IR	Color: 0.012 @ ƒ/1.6 B/W: 0 with IR	Color: 0.012 @ ƒ/1.6 B/W: 0 with IR	
Lens	Fixed, 2.8 mm, 4 mm, 6 mm	Fixed, 2.8 mm, 4 mm, 6 mm	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm	
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	
IR Range Max (meters)	30	50/30	80	
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	
Max. Image Resolution (pixels) and Frame Rate	2688x1520,30	2688x1520, 30	2688x1520, 30	
Audio Input/Output	IN: 1 line OUT: 1 line	**-I/SL:** Pre-recorded message on alarm	**-4I/SL:** Pre-recorded message on alarm	
Alarm Input/Output	1/1	**-I/SL:** Stobe Light on alarm	**-4I/SL:** Stobe Light on alarm	
Ratings	IP67, IK10, UL/cUL Listed	**-I:** IP67, UL/cUL Listed **-I/SL:** Indoor, UL/cUL Listed	**-4I:** IP67, UL/cUL Listed **-4I/SL:** IP66, UL/cUL Listed	
Operating Temperature Range	-30° C to 50° C (-22° F to 122° F)	**-I:** -30° C to 50° C (-22° F to 122° F) **-I/SL:** -30° C to 60° C (-22° F to 140° F)	-30° C to 50° C (-22° F to 122° F)	
Power Requirements (max.)	12V DC, PoE (802.3af), 10 W	**-I:** 12V DC, PoE (802.3af), 10 W **-I/SL:** 12V DC, PoE (802.3af), 7.5 W	**-4I:** 12V DC, PoE (802.3at), 17 W **-4I/SL:** 12V DC, PoE (802.3af), 7.5 W	
Brackets	PC120, WMS, CM, CPM, SRSM	PC140, CPM, WML, CB135	CB130, PM, CM	

Complies with ONVIF (Profile S and G), ASAPI.
Contact for factory details

	OUTDOOR VF BULLET	OUTDOOR VF DOME	COLORVU OUTDOOR TURRET	COLORVU OUTDOOR BULLET	MINI BULLET	
Model	EXIR 2.0	EXIR 2.0	ColorVu **NEW**	ColorVu **NEW**	Powered by DarkFighter EXIR 2.0	
	DS-2CD2646G1-IZS	DS-2CD2746G1-IZS	DS-2CD2327G1-L DS-2CD2327G1-LU DS-2CD2347G1-L DS-2CD2347G1-LU	DS-2CD2T27G1-L DS-2CD2T47G1-L	DS-2CD2025FHWD-I DS-2CD2045FWD-I	DS-2CD2065G1-I DS-2CD2085G1-I
Megapixels	4 MP	4 MP	2/4 MP	2/4 MP	2/4/6/8 MP	
Min. Illumination (lux)	Color: 0.01 @ ƒ/1.4 B/W: 0 with IR	Color: 0.01 @ ƒ/1.4 B/W: 0 with IR	**2 MP:** 0.0035 @ ƒ/1.0, AGC on **4 MP:** 0.0014 @ ƒ/1.0, AGC on 0 with Light	**2 MP:** 0.0035 @ ƒ/1.0, AGC on **4 MP:** 0.0014 @ ƒ/1.0, AGC on 0 with Light	**2 MP:** Color: 0.009 @ ƒ/1.6, **4 MP:** Color: 0.014 @ ƒ/1.6, **6/8 MP:** Color: 0.014 @ ƒ/1.6, B/W: 0 with IR	
Lens	2.8 to 12 mm @ ƒ/1.4, motorized	2.8 to 12 mm @ ƒ/1.4, motorized	4 mm	4 mm, 6 mm options	**Fixed 2 MP:** 2.8 mm, 4 mm, 6 mm, 8 mm **Fixed 4/6/8 MP:** 2.8 mm, 4 mm, 6 mm	
White Light Range Max (meters)	---	---	30 (Adjustable)	30 (Adjustable)	---	
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	
IR Range Max (meters)	50	30	---	---	30	
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	
Max. Image Resolution (pixels) and Frame Rate	2688x1520, 30	2688x1520, 30	**2 MP:** 1920×1080, 30 **4 MP:** 2688×1520, 30	**2 MP:** 1920×1080, 30 **4 MP:** 2688×1520, 30	**2 MP:** 1920×1080, 60 **4 MP:** 2688×1520, 30 **6 MP:** 3072×2048, 20 **8 MP:** 3840×2160, 20	
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	**-LU:** Built-in Mic	---	---	
Alarm Input/Output	1/1	1/1	---	---	---	
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	**-L:** IP67 **-LU:** IP66 UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	
Operating Temperature Range	-30° C to +60° C (-22° F to +140° F)	-30° C to +60° C (-22° F to +140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	
Power Requirements (max.)	12V DC, PoE (802.3at), 18 W	12V DC, PoE (802.3af), 12.9 W	12V DC, PoE (802.3af), 7.5 W	12V DC, PoE (802.3af), 11 W	**2 MP:** 12V DC, PoE (802.3af), 6.5 W **4 MP:** 12V DC, PoE (802.3af), 7 W **6/8 MP:** 12V DC, PoE (802.3af), 7.5 W	
Brackets	CB130, CBS, PM, CM	WML, PC155, PM1, CM1, SRSL	CPM, PC140, CB135, WML, CM, PM	CBS, CB130, CM, PM	CBXS	

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

	OUTDOOR BULLET		OUTDOOR VF BULLET	OUTDOOR COMPACT DOME	OUTDOOR DOME	INDOOR DOME
Model	Powered by **DarkFighter**™ **EXIR 2.0**		Powered by **DarkFighter**™ **EXIR 2.0**	**EXIR 2.0** * Powered by **DarkFighter**™	Powered by **DarkFighter**™ **EXIR 2.0**	Powered by **DarkFighter**™ **EXIR 2.0** **HDMI** / NEW
	DS-2CD2T25FHWD-I5 DS-2CD2T45FWD-I5	DS-2CD2T65G1-I5 DS-2CD2T85G1-I5	DS-2CD2625FHWD-IZS DS-2CD2645FWD-IZS DS-2CD2665G0-IZS DS-2CD2685G0-IZS	DS-2CD2525FWD-IS* DS-2CD2545FWD-IWS* DS-2CD2555FWD-IS	DS-2CD2125FHWD-I DS-2CD2145FWD-I DS-2CD2165G0-I DS-2CD2185FWD-I DS-2CD2185FWD-IB (black)	DS-2CD2125G0-IMS DS-2CD2185G0-IMS
Megapixels	2/4/6/8 MP		2/4/6/8 MP	2/4/5 MP	2/4/6/8 MP	2/8 MP
Min. Illumination (lux)	**2 MP:** Color: 0.009 @ f/1.6, **4 MP:** Color: 0.014 @ f/1.6, **6 MP:** Color: 0.014 @ f/1.6, **8 MP:** Color: 0.014 @ f/1.6, B/W: 0 with IR		**2 MP**: Color: 0.0068 @ ƒ/1.4, **4/6/8 MP**: Color: 0.011 @ ƒ/1.4, B/W: 0 with IR	**2 MP**: Color: 0.009 @ ƒ/1.6, **4 MP**: Color: 0.014 @ f/1.6, **5 MP**: Color: 0.028 @ ƒ/2.0, B/W: 0 with IR	**2 MP**: Color: 0.009 @ ƒ/1.6, **4/6 MP**: Color: 0.014 @ ƒ/1.6, **8 MP**: Color: 0.028 @ ƒ/2.0, B/W: 0 with IR	**2 MP**: Color: 0.009 @ ƒ/1.6, **8 MP**: Color: 0.028 @ ƒ/2.0
Lens	**2 MP:** Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm **4 MP:** Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm **6/8 MP:** Fixed, 2.8 mm, 4 mm, 6 mm		2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	Fixed, 2.8 mm, 4 mm, 6 mm options	**2/8 MP:** Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm **4/6 MP:** Fixed, 2.8 mm, 4 mm, 6 mm	Fixed, 2.8 mm, 4 mm, 6 mm options
Day/Night, BLC, WDR	True, Yes, 120 dB		TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB
IR Range Max (meters)	50		50	10	30	30
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	**2 MP:** 1920×1080, 60 **4 MP:** 2688×1520, 30 **6 MP:** 3072×2048, 20 **8 MP:** 3840×2160, 20		**2 MP:** 1920×1080, 60 **4 MP:** 2688×1520, 30 **6 MP:** 3072×2048, 20 **8 MP:** 3840×2160, 20	**2 MP**: 1920x1080, 30 **4 MP**: 2688x1520, 30 **5 MP**: 2944x1656, 20	**2 MP:** 1920×1080, 60 **4 MP:** 2688×1520, 30 **6 MP:** 3072×2048, 20 **8 MP:** 3840×2160, 20	**2 MP:** 1920×1080, 60 **8 MP:** 3840×2160, 20
Audio Input/Output	---		IN: 1 line OUT: 1 line	IN: 1 line/Mic OUT: 1 line	---	IN: 1 line OUT: 1 line
Alarm Input/Output	---		1/1	1/1	---	1/1
Ratings	IP67, UL/cUL Listed		IP67, IK10, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP67, IK10, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)		-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10° C to 40° C (14° F to 104° F)
Power Requirements (max.)	**2 MP:** 12V DC, PoE (802.3af), 9 W **4/6 MP:** 12V DC, PoE (802.3af), 9.5 W **8 MP:** 12V DC, PoE (802.3af), 11 W		12V DC, PoE Plus (802.3af), 17.5 W	12V DC, PoE (802.3af), 9.5 W	**2 MP:** 12V DC, PoE (802.3af), 6.5 W **4 MP:** 12V DC, PoE (802.3af), 7 W **6 MP:** 12V DC, PoE (802.3af), 7.5 W **8 MP:** 12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 8.5 W
Brackets	PM, CM, CB130, CBS, ABS		PM1, CM1	CPM, CPME, WMS, WML, RPM, SRS, SRSM, SRSL, PC120	CPM, CPME, WMS, WML, RPM, SRS, SRSM, SRSL, PC110, CB110, AB110, WM110	PC120, WMS, CPM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

	OUTDOOR VF DOME	GAMING OUTDOOR DOME	OUTDOOR TURRET		OUTDOOR VF TURRET	CUBE	FISHEYE
Model	Powered by DarkFighter EXIR 2.0	Powered by DarkFighter	**NEW** Powered by DarkFighter EXIR 2.0		Powered by DarkFighter EXIR 2.0	EXIR 2.0 * Powered by DarkFighter	
	DS-2CD2725FHWD-IZS DS-2CD2745FWD-IZS DS-2CD2765G0-IZS DS-2CD2785G0-IZS	DS-2CD2725F-ZS	DS-2CD2325FHWD-I DS-2CD2345FWD-I	DS-2CD2365G1-I DS-2CD2385G1-I DS-2CD2385G1-IB (black)	DS-2CD2H25FHWD-IZS DS-2CD2H45FWD-IZS DS-2CD2H85FWD-IZS	DS-2CD2425FWD-IW* DS-2CD2455FWD-IW	DS-2CD2935FWD-IS DS-2CD2955FWD-IS
Megapixels	2/4/6/8 MP	2 MP	2/4/6/8 MP		2/4/8 MP	2/5 MP	3/5 MP
Min. Illumination (lux)	**2 MP**: Color: 0.0068 @ ƒ/1.4, **4/8 MP**: Color: 0.011 @ ƒ/1.4, **6 MP**: Color: 0.014 @ ƒ/1.4, B/W: 0 with IR	Color: 0.014 @ ƒ/1.4	**2 MP:** Color: 0.009 @ ƒ/1.6, **4/6/8 MP:** Color: 0.014 @ ƒ/1.6, B/W: 0 with IR		**2 MP:** Color: 0.068 @ ƒ/1.4, **4 MP:** Color: 0.011 @ ƒ/1.4, **8 MP:** Color: 0.014 @ ƒ/1.4, B/W: 0 with IR	**2 MP:** Color: 0.009 @ ƒ/1.6, **5 MP:** Color: 0.028 @ ƒ/2.0, B/W: 0 with IR	**3 MP**: Color: 0.016 @ ƒ/2.2, **5 MP:** Color: 0.033 @ ƒ/2.2, B/W: 0 with IR
Lens	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	6 to 22 mm	Fixed, 2.8 mm, 4 mm, 6 mm, 8 mm options		2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	Fixed, 2.8 mm	1.16 mm @ ƒ/2.2 1.05 mm @ ƒ/2.2
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB		True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR Range Max (meters)	30	---	30		30	10	8
Video Compression	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	**2 MP:** 1920×1080, 60 **4 MP:** 2688×1520, 30 **6 MP:** 3072×2048, 20 **8 MP:** 3840×2160, 20	1920×1080, 30	**2 MP:** 1920×1080, 60 **4 MP:** 2688×1520, 30 **6 MP:** 3072×2048, 20 **8 MP:** 3840×2160, 20		**2 MP:** 1920x1080, 60 **4 MP:** 2688x1520, 30 **8 MP:** 3840x2160, 20	**2 MP:** 1920x1080, 30 **5 MP:** 2944x1656, 20	**3 MP:** 2048x1536, 30 **5 MP:** 2560x1920, 30
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	---		---	---	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	1/1	---		---	---	1/1
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed		IP67, IK10, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)		-30° C to 60° C (-22° F to 140° F)	-10° C to +40° C (14° F to +104° F)	-10° C to 50° C (-14° F to 122° F)
Power Requirements (max.)	**2 MP:** 12V DC, PoE (802.3af), 11 W **4/6/8 MP:** 12V DC, PoE (802.3af), 12.5 W	24V AC ± 10%, Φ5.5 mm coaxial power plug; PoE (802.3af), 8.5 W	**2 MP:** 12V DC, PoE (802.3af), 7 W **4/6 MP:** 12V DC, PoE (802.3af), 7.5 W **8 MP:** 12V DC, PoE (802.3af), 9 W		12V DC, PoE (802.3af), 12.5 W	12V DC, PoE (802.3af), 7 W	12V DC, PoE (802.3af), 6.4 W
Brackets	PC155, SRS, SRSL, PM, CM, RPM, WML, WMS, CPM, CPME	RCM-G, Fits in DF-5 housing	CBM, ABM, PC130T, SRS, SRSM, SRSL, PM, CM, RPM, WML, WMS, CPM, CPME		CPM, CPME, WMS, WML, RPM, PM, CM, PC135H, CB135, AB135	PP1, PP2	PM, CM, CBS, ABS, AB-FE2

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

NETWORK CAMERAS - VALUE SERIES

Model	OUTDOOR BULLET	OUTDOOR VF BULLET	OUTDOOR MINI DOME	WI-FI COMPACT DOME	INDOOR DOME
	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0
	DS-2CD2023G0-I DS-2CD2043G0-I DS-2CD2063G0-I DS-2CD2083G0-I	DS-2CD2623G1-IZS DS-2CD2643G1-IZS DS-2CD2663G1-IZS DS-2CD2683G1-IZS	DS-2CD2523G0-IS DS-2CD2543G0-IS DS-2CD2543G0-ISB (black) DS-2CD2563G0-IS	DS-2CD2523G0-IWS DS-2CD2543G0-IWS	DS-2CD2123G0-I DS-2CD2143G0-I DS-2CD2143G0-IB (black) **NEW** DS-2CD2163G0-I DS-2CD2183G0-I
Megapixels	2/4/6/8 MP	2/4/6/8 MP	2/4/6 MP	2/4	2/4/6/8 MP
Min. Illumination (lux)	**2 MP**: Color: 0.028 @ ƒ/2.0, **4 MP**: Color: 0.018 @ ƒ/1.6, AGC ON, **6 MP**: Color: 0.028 @ ƒ/2.0 **8 MP**: Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	**2/4/6/8 MP**: Color: 0.018 @ ƒ/1.6 B/W: 0 with IR	**2 MP**: Color: 0.028 @ ƒ/2.0, **4 MP**: Color: 0.018 @ ƒ/1.6, **6 MP**: Color: 0.025 @ ƒ/2.0, B/W: 0 with IR	**2 MP**: Color: 0.028 @ ƒ/2.0, **4 MP**: Color: 0.018 @ ƒ/1.6, B/W: 0 with IR	**2 MP**: Color: 0.028 @ ƒ/2.0, **4 MP**: Color: 0.018 @ ƒ/1.6, **6 MP**: Color: 0.028 @ ƒ/2.0, AGC ON, **8 MP**: Color: 0.028 @ ƒ/2.0 B/W: 0 with IR
Lens Options	**2/4/6 MP:** Fixed, 2.8 mm, 4 mm **8 MP:** Fixed, 2.8 mm	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	Fixed, 2.8 mm, 4 mm	Fixed, 2.8 mm, 4 mm	**2/4/6 MP:** Fixed, 2.8 mm, 4 mm **8 MP:** Fixed, 2.8 mm
IR Range Max (meters)	30	30	30	TRUE/Yes/120dB	30
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	**2 MP**: 1920x1080, 30 **4 MP**: 2688x1250, 30 **6 MP**: 3072x2048, 20 **8 MP**: 3840x2160, 15	**2 MP**: 1920x1080, 30 **4 MP**: 2688x1250, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 15	**2 MP**: 1920×1080, 30 **4 MP**: 2688x1520, 30 **6 MP**: 3072×2048, 20	**2 MP**: 1920x1080, 30 **4 MP**: 2688x1250, 30	**2 MP**: 1920x1080, 30 **4 MP**: 2688x1250, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 15
Audio Input/Output	---	IN: 1 line OUT: 1 line	In: Mic & 1 line Out: 1 line	In: Mic & 1 line Out: 1 line	---
Alarm Input/Output	---	---	1/1	1/1	---
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30 °C to +60 °C (-22 °F to +140 °F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 5 W	12V DC, PoE (802.3at), 18 W	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10 W
Brackets	CBXS, PM, CM	PM, CM, CB130, CBS, ABS	CBD-MINI, CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC120	CBD-MINI, CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC120	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC110, CB110, AB110, WM110

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

NETWORK CAMERAS - VALUE SERIES

	OUTDOOR VF DOME	OUTDOOR TURRET	INDOOR PINHOLE	INDOOR COVERT
Model	**EXIR 2.0**	**EXIR 2.0**		
	DS-2CD2723G1-IZS DS-2CD2743G1-IZS DS-2CD2763G1-IZS DS-2CD2783G1-IZS	DS-2CD2323G0-I DS-2CD2343G0-I DS-2CD2343G0-IB (black) **NEW** DS-2CD2363G0-I DS-2CD2383G0-I	DS-2CD2D21G0-D/NF	DS-2CD2D21G0/M-D/NF
Megapixels	2/4/6/8 MP	2/4/6/8 MP	2 MP	2 MP
Min. Illumination (lux)	**2/4/6/8 MP**: Color: 0.018 @ ƒ/1.6, B/W: 0 with IR	**2 MP**: Color: 0.028 @ ƒ/2.0, **4 MP**: Color: 0.018 @ ƒ/1.6, **6 MP**: Color: 0.028 @ ƒ/2.0, **8 MP**: Color: 0.028 @ ƒ/2.0, B/W: 0 with IR	Color: 0.025 @ ƒ/1.2	Color: 0.025 @ ƒ/1.2
Lens Options	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	**2/4/6 MP**: Fixed, 2.8 mm, 4 mm **8 MP**: Fixed, 2.8 mm	Pinhole, 3.7 mm @ ƒ/1.2/ 78°	2.8 mm @ ƒ/1.2 or 4.0 mm @ ƒ/1.2 / 114° (2.8 mm), 86° (4.0 mm)
IR Range Max (meters)	30	30	---	---
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	Electronic, No, 120 dB	Electronic, No, 120 dB
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	**2 MP**: 1920x1080, 30 **4 MP**: 2688x1250, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 15	**2 MP**: 1920x1080, 30 **4 MP**: 2688x1250, 30 **6 MP**: 3072x2048, 30 **8 MP**: 3840x2160, 15	1920x1080	1920x1080
Audio Input/Output	---	---	---	---
Alarm Input/Output	---	---	---	---
Ratings	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3at), 18 W	12V DC, PoE (802.3af), 6 W	12V DC, 3 W	12V DC, 3 W
Brackets	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSL, PC155, CB155	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC130T, CBM, ABM	Included	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

NETWORK PTZ CAMERAS - VALUE SERIES

	WIFI INDOOR IR PTZ	INDOOR IR PTZ	INDOOR/OUTDOOR IR PTZ			
Model			Powered by DarkFighter™	Powered by DarkFighter™		
	DS-2DE2204IW-DE3/W	DS-2DE2204IW-DE3	DS-2DE2A204IW-DE3 DS-2DE2A204W-DE3	DS-2DE2A404IW-DE3 DS-2DE2A404W-DE3	DS-2DE3304W-DE	DS-2DY3220IW-DE
Megapixels	2 MP	2 MP	2 MP	4 MP	3 MP	2 MP
Min. Illumination (lux)	Color: 0.05 @ ƒ/2.0 B/W: 0.005 @ ƒ/2.0	Color: 0.05 @ ƒ/2.0 B/W: 0.005 @ ƒ/2.0	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.005 @ ƒ/1.6, AGC On, 0 with IR
Lens	2.8 to 12 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus
Optical Zoom (Digital)	4x (16x)	4x (---)	4x (---)	4x (---)	4x (16x)	20x (16x)
Pan Range	0° to 350°	0° to 350°	0° to 330°	0° to 330°	0° to 350°	360° endless
Tilt Range	0° to 90°	0° to 90°	0° to 90°	0° to 90°	0 to 90°	-40° to 30°
Pan & Tilt Speed (Manual)	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 100°/sec. & 0.1° to 100°/sec.	0.1° to 100°/sec. & 0.1° to 100°/sec.	0.1° to 60°/sec. & 0.1° to 50°/sec.	0.1° to 60°/sec. & 0.1° to 30°/sec.
Pan & Tilt Speed (Preset)	60°/sec. & 50°/sec.	60°/sec. & 50°/sec.	100°/sec. & 100°/sec.	100°/sec. & 100°/sec.	30°/sec. & 25°/sec.	100°/sec. & 60°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	DWDR, AGC, AWB, DNR, BLC	DWDR, AGC, AWB, DNR, BLC	120 dB WDR, AGC, AWB, DNR, BLC	120 dB WDR, AGC, AWB, DNR, BLC	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	WDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max (meters)	20	20	20 (DS-2DE2A204IW only)	20 (DS-2DE2A404IW only)	---	100
3D Positioning	---	Yes	---	---	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 60	1920x1080, 30	1920x1080, 30	2560x1440, 24	2560x1440, 60	1920x1080, 30
Ratings	UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)	-20° C to 60° C (-4° F to 140° F)	-20° C to 60° C (-4° F to 140° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 12 W (3.9 for IR)	12V DC, PoE (802.3af), 12 W (3.9 for IR)	12V DC, PoE (802.3af), 8 W	24V AC, PoE (802.3at), 19 W
Brackets	PP1, PP2, WM-C	PP1, PP2, WM-C	PP1, PP2, WMP-MPZ	PP1, PP2, WMP-MPZ	PC140PT, RPM, WMS, WML, PM, CM, RCM-4, PC140PT, CPM, CPME, CB140PT	Wall Mount Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

Model	INDOOR/OUTDOOR IR PTZ			INDOOR IR	INDOOR/OUTDOOR IR PTZ	
	DS-2DY3220IW-DE4	DS-2DE4A204IW-DE DS-2DE4A404IW-DE	DS-2DE4A225IW-DE DS-2DE4A425IW-DE	DS-2DE4225W-DE3	DS-2DE4225W-DE	DS-2DE5225W-AE
Megapixels	2 MP	2/4 MP	2/4 MP	2 MP	2 MP	2 MP
Min. Illumination (lux)	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.005 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.002 @ ƒ/1.6, AGC On B/W: 0.0002 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.005 @ ƒ/1.6 B/W: 0.001 @ ƒ/1.6	Color: 0.005 @ ƒ/1.6 B/W: 0.001 @ ƒ/1.6	Color: 0.005 @ ƒ/1.6, AGC On B/W: 0.001 @ ƒ/1.6, 0 with IR	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON
Lens	4.7 to 94 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus	4.8 to 120 mm, motorized zoom, autofocus
Optical Zoom (Digital)	20x (16x)	4x (16x)	25x (16x)	25x (16x)	25x (16x)	25x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-40° to 30°	-5° to 90°	-5° to 90°	0° to 90°	-15° to 90° (auto flip)	-5° to 90° (Auto Flip)
Pan & Tilt Speed (Manual)	0.1° to 60°/sec. & 0.1° to 30°/sec.	0.1° to 300°/sec. & 0.1° to 160°/sec.	0.1° to 300°/sec. & 0.1° to 160°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 80°/sec. & 0.1° to 80°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.
Pan & Tilt Speed (Preset)	100°/sec. & 60°/sec.	350°/sec. & 200°/sec.	350°/sec. & 200°/sec.	160°/sec. & 120°/sec.	80°/sec. & 80°/sec.	300°/sec. & 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	WDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	3D DNR, BLC, WDR, HLC	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
IR Range Max (meters)	100	50	50	---	---	---
3D Positioning	Yes	Yes	Yes	Yes	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 60	1920x1080, 60	1920x1080, 60	1920x1080, 30	1920x1080, 60
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24V AC, PoE (802.3at), 19 W	12V DC, PoE+ (802.3 at), 18 W	12V DC, PoE (802.3at), 23 W	12V DC, PoE+ (802.3at), 18 W	24V AC, Hi-PoE, 18 W	24V AC, Hi-PoE, 22 W
Brackets	Pedestal Mount Included	PC-DE4A, RPM, WML, PM, CM, RCM-DE4A, CPM, CPME, CB-DE4A	PC-DE4A, RPM, WML, PM, CM, RCM-DE4A, CPM, CPME, CB-DE4A	Ceiling Recess/Flush Mount Included	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

NETWORK PTZ CAMERAS - VALUE SERIES

INDOOR/OUTDOOR IR PTZ

Model	DS-2DE5225IW-AE	DS-2DE5330W-AE	DS-2DE5232W-AE	DS-2DE7232IW-AE	DS-2DE7330IW-AE DS-2DE7430IW-AE* DS-2DE7530IW-AE*
Megapixels	2 MP	3 MP	2 MP	2 MP	3/4/5 MP
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.6, AGC On B/W: 0.001 @ ƒ/1.6, 0 with IR	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.005 @ ƒ/1.6, AGC On B/W: 0.001 @ ƒ/1.6, 0 with IR	Color: 0.005 @ ƒ/1.5, AGC On B/W: 0.001 @ ƒ/1.5, 0 with IR	Color: 0.05 @ ƒ/1.5, AGC On B/W: 0.01 @ ƒ/1.5, 0 with IR
Lens	4.8 to 120 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus	4.8 to 153 mm, motorized zoom, autofocus	4.8 to 153 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus
Optical Zoom (Digital)	25x (16x)	30x (16x)	32x (16x)	32x (16x)	30x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-5° to 90°	-5° to 90°	-15° to 90°	-15° to 90°
Pan & Tilt Speed (Manual)	0.1° to 120°/sec. & 0.1° to 80°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.	0.1° to 250°/sec. & 0.1° to 150°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.	0.1° to 160°/sec. & 0.1° to 120°/sec.
Pan & Tilt Speed (Preset)	120°/sec. & 80°/sec.	300°/sec. & 200°/sec.	300°/sec. & 200°/sec.	240°/sec. & 200°/sec.	240°/sec. & 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max (meters)	150	---	---	150	150
3D Positioning	Yes	Yes	Yes	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	2048x1536, 30	1920x1080, 60	1920x1080, 60	**3 MP:** 2048×1536, 30 **4 MP:** 2560×1440, 60 **5 MP:** 2592x1944, 60
Ratings	IP66, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24V AC, Hi-PoE, 30 W	24V AC, PoE (802.3at), 18 W	24V AC, Hi-PoE, 22 W	24V AC, Hi-PoE, 40 W	24V AC, Hi-PoE (802.3at), 40 W
Brackets	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

VALUE SOLUTIONS

2 MP Outdoor EXIR Bullet Camera
ECT-B12

Designed and built for projects that are budget-conscious and require excellent performance, our new Value Express product family delivers upgraded H.265+ compression technology. This range of IP and TurboHD products offer all camera housing models including dome, bullet, turret, varifocal and PTZ for diverse applications. From order to installation, this family of products offers easy and quick cost planning, is easy to order, and provides a simplified installation process.

Value Express IP Cameras

FEATURES

- Perfect for DIY applications and budget-minded customers.
- Solid metal construction for durability and varied environmental conditions.
- EXIR 2.0 (EXtended InfraRed) technology for excellent nighttime performance.

- Multiple form factors, including Indoor/Outdoor Dome, Turret, Bullet and PTZs.
- Available in 2 MP or 4 MP with fixed or motorized zoom lenses.

NETWORK CAMERAS - VALUE EXPRESS SERIES

	OUTDOOR BULLET	OUTDOOR DOME	OUTDOOR TURRET	OUTDOOR VF DOME	OUTDOOR VF BULLET
Model	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0
	ECI-B12F ECI-B14F	ECI-D12F ECI-D14F	ECI-T22F ECI-T24F	ECI-D62Z2 ECI-D64Z2	ECI-B62Z2 ECI-B64Z2
Megapixels	2/4 MP	2/4 MP	2/4 MP	2/4 MP	2/4 MP
Min. Illumination (lux)	Color: 0.018 @ ƒ/1.6 B/W: 0 with IR	Color: 0.018 @ ƒ/1.6 B/W: 0 with IR	Color: 0.018 @ ƒ/1.6 B/W: 0 with IR	Color: 0.018 @ ƒ/1.6 B/W: 0 with IR	Color: 0.018 @ ƒ/1.6 B/W: 0 with IR
Lens Options	**2.8 mm:** 103° **4 mm:** 86°	**2.8 mm:** 103° **4 mm:** 86°	**2.8 mm:** 103° **4 mm:** 86°	2.8 to 12 mm @ ƒ/1.6, motorized	2.8 to 12 mm @ ƒ/1.6, motorized
IR Range Max (meters)	30	30	30	30	30
Day/Night, BLC, WDR	**2 MP:** True, Yes, Digital **4 MP:** True, Yes, 120 dB	**2 MP:** True, Yes, Digital **4 MP:** True, Yes, 120 dB	**2 MP:** True, Yes, Digital **4 MP:** True, Yes, 120 dB	**2 MP:** True, Yes, Digital **4 MP:** True, Yes, 120 dB	**2 MP:** True, Yes, Digital **4 MP:** True, Yes, 120 dB
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	**2 MP**: 1920x1080, 30 **4 MP**: 2560x1440, 20	**2 MP**: 1920x1080, 30 **4 MP**: 2560x1440, 20	**2 MP**: 1920x1080, 30 **4 MP**: 2560x1440, 20	**2 MP**: 1920x1080, 30 **4 MP**: 2560x1440, 20	**2 MP**: 1920x1080, 30 **4 MP**: 2560x1440, 20
Audio Input/Output	---	---	---	---	---
Alarm Input/Output	---	---	---	---	---
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)
Power Requirements (max.)	12V DC, PoE (802.3at), 5 W	12V DC, PoE (802.3at), 5 W	12V DC, PoE (802.3at), 5 W	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10 W
Brackets	CBXS, PM, CM	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC110, CB110, AB110, WM110	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC130T, CBM, ABM	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC135, CB135, AB135, RCM-1 (requires 190310441)	PM, CM, CB130, CBS, ABS

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

VALUE EXPRESS SOLUTIONS

NETWORK PTZ CAMERAS - VALUE EXPRESS SERIES

	INDOOR PTZ	OUTDOOR PTZ		
Model				
	EPI-4215-DE3	EPI-4215I-DE	EPI-4225I-DE	EPI-5225I-AE
Megapixels	2 MP	2 MP	2 MP	2 MP
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.6, AGC on B/W: 0.001 @ ƒ/1.6, AGC on	Color: 0.005 @ ƒ/1.6, AGC on B/W: 0.001 @ ƒ/1.6, AGC on	Color: 0.005 @ ƒ/1.6, AGC on B/W: 0.001 @ ƒ/1.6, AGC on 0 with IR	Color: 0.005 @ ƒ/1.6, AGC on B/W: 0.001 @ ƒ/1.6, AGC on 0 with IR
Lens	5 to 75 mm	5 to 75 mm	4.8 to 120 mm	4.8 to 120 mm
Optical Zoom (Digital)	15x	15x	25x	25x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	From 5° to 90° (auto-flip)	From -15° to 90° (auto-flip)	From -15° to 90°	From -15° to 90° (auto-flip)
Pan & Tilt Speed (Manual)	0.1°/s to 100°/s 0.1°/s to 80°/s	0.1°/s to 80°/s 0.1°/s to 80°/s	0.1°/s to 80°/s 0.1°/s to 80°/s	0.1°/s to 120°/s 0.1°/s to 80°/s
Pan & Tilt Speed (Preset)	100°/s & 80°/s	80°/s & 80°/s	80°/s & 80°/s	120°/s & 80°/s
Image Enhancement	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/Regional Focus	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/Regional Focus	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/RegionalFocus	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/Regional Focus
IR Range Max (meters)	---	100	100	150
Video Compression	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG
Max. Image Resolution (pixels)and Frame Rate	1920×1080, 30	1920×1080, 30	1920×1080	1920×1080, 30
Ratings	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-14° F to 131° F (-10° C to 55° C)	-22° F to 149° F (-30° C to 65° C)	-22° F to 149° F (-30° C to 65° C)	-22° F to 149° F (-30° C to 65° C)
Power Requirements (max.)	12V DC and PoE+ (802.3at, class4), 18 W	12V DC and PoE+ (802.3at, class4), 18 W	12V DC and PoE+ (802.3at, class4), 18 W	12V DC and PoE+ (802.3at, class4), 18 W
Brackets	Ceiling Recess Mount Included	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, PMP-V, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, PMP-V, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, PMP-V, CPMPE

Complies with ONVIF (Profile S), Contact for factory details.
Command Protocols: Hikvision protocol

NETWORK VIDEO RECORDER COMPARISON CHART

Levels	VALUE EXPRESS	VALUE	PERFORMANCE	PROFESSIONAL		
Key Features	• Independent PoE ports included • Matching 2 and 4 MP cameras	• Simple installation with Plug and Play feature • A step up without stretching the budget • Independent PoE ports included	• Our most popular NVRs • Simple installation with Plug and Play feature • A step up without stretching the budget • Independent PoE ports included • AcuSense (NXI) human and vehicle detection	• High performance, fully-loaded project NVRs • Enhanced Search functions for improved Forensics • HDD RAID configuration capable	• Extra capacity for larger project application • Enhanced Search functions for improved Forensics • HDD RAID configuration capable	• Latest technology with algorithms for Facial Recognition and Human and Vehicle Detection • Enhanced Search functions for improved Forensics • Best when used with DeepinView cameras
Series	ERI Series	76xx Q Series	76xx/77xx I Series 76xx/77xx NXI Series	96xx I8 Series	96xxx Series Super NVR	96xx NXI Series DeepinMind NVR
IP Video Inputs	4/8	4/8/16	8/16/32	16/32/64	32/64/128/256	32
Max Resolution	4 MP	8 MP (4K)	12 MP	12 MP	12 MP	12 MP
Codec	H.265+	H.265+	H.265+	H.265+	H.265+	H.265+
Decoding	2-ch @ 1080p	4-ch @ 1080p	16-ch @ 1080p	16-ch @ 1080p	20-ch @ 1080p	16-ch @ 1080p
Max Incoming Bandwidth (Mbps)	40/60	40/80/160	40/80/160	256/320/320 (200 with RAID)	320/512/768/768 (32-ch 200 with RAID) (64-ch 400 with RAID)	256
Maximum Outgoing Bandwidth (Mbps)	60	80	256/320	256 (200 with RAID)	256/512/512/768 (32ch 200 with RAID) (64ch 400 with RAID)	200
Network Interfaces	1	1	1 or 2	2	4	2
Internal SATA	1 or 2	1 or 2	2 or 4	8	16 or 24	8
Max HDD size	1, 2 or 4 TB (Pre-installed)	6 TB	12 TB	12 TB	12 TB	12 TB
RAID (0, 1, 5, 6, 10)	---	---	---	✔	✔	✔
PoE	✔	✔	✔	---	---	---

Meeting all bandwidth and storage utilization requirements, the Smart Pro NVRs support recording of up to 12 MP camera resolution, Ultra High Definition (UHD) output up to 4K, up to 288 TB of storage capacity and H.265+ compression to increase storage space by 50-70 percent.

Our Performance NVRs include the new AcuSense series that filters false alarms and will recognize targets, classifying them as human, vehicle, or others. Hikvision AcuSense works by disregarding movements in nature, such as animals, rain or leaves, while triggering alerts when vehicles or humans are detected. The Quick Target Search feature easily locates the most important recordings, saving time and money when reviewing alarm and event activity.

Our popular Plug and Play NVRs provide easy installation and operation. These Value and Performance NVRs manage bandwidth and storage with the H.265+ compression technology. They also support recording of up to 12 MP camera resolution, Ultra High Definition (UHD) output up to 4K and up to 32 TB of storage capacity.

AcuSense Network Video Recorder
DS-7716NXI-I4/16P/4S

Network Video Recorders

FEATURES

- High performance, fully-loaded NVRs from 4 to 256-channel inputs.
- H.265+, Hikvision's latest video compression which minimizes bandwidth
- 4K Ultra High Definition (UHD) HDMI output and 1080p VGA outputs.
- Storage capacity, from 2 TB to 288 TB, for months of recording with built-in support of RAID 1, 5,6 and 10 data redundancy storage.

- Performance and Value Series Plug and Play NVRs ensure easy installation and configuration.
- Value Express NVRs are outfitted for 4- and 8-camera systems and kits, flexible enough to accommodate your record-keeping needs.

NETWORK VIDEO RECORDERS - SMART PRO SERIES

NETWORK VIDEO RECORDER				
Model	DS-9616NI-I8 DS-9632NI-I8 DS-9664NI-I8	DS-9632NI-I16	DS-96064NI-I16	DS-96128NI-I24/H DS-96256NI-I24/H
Max. Recording Resolution	12 MP	12 MP	12 MP	12 MP
Video Compression	H.264/H264+/H.265/ H.265+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4/ (MJPEG for Hikvision IP camera only)	H.265/H.265+/H.264/H.264+/MPEG4/ (MJPEG for Hikvision IP camera only)
HDMI/VGA Output	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	2 HDMI 4K (4096x2160)/4K (3840x2160) and 1 VGA at 1920x1080 Resolution, HDMI1 and HDMI2 are Independent	2 HDMI 4K (4096x2160)/4K (3840x2160) and 1 VGA at 1920x1080 Resolution, VGA/LCD Synchronous, HDMI 1 and HDMI 2 are Independent
IP Video Inputs	16/32/64	32	64	128/256
Alarm Input/Output	16/4	16/8	16/8	16/8
RAID Support	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Internal SATA	8 SATA interfaces (up to 12 TB each)	16 SATA interfaces (up to 12 TB each)	16 SATA interfaces (up to 12 TB each)	24 SATA interfaces, hot-swap, (up to 12 TB each)
Maximum Internal Storage	96 TB	192 TB	192 TB	288 TB
Max Incoming Bandwidth (Mbps)	**DS-9616NI-I8:** 256 **DS-9632NI-I8:** 320 **DS-9664NI-I8:** 320 All (200 with RAID)	320 (200 with RAID)	512 (512 with RAID)	768
Maximum Outgoing Bandwidth (Mbps)	256 (200 with RAID)	256 (200 with RAID)	512 (400 with RAID)	**128 Ch:** 512 **256 Ch:** 768
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	2	3	3	4
Power Requirements	100 to 240V AC, 50 to 60 Hz	100 to 240V AC, 50 to 60 Hz	100 to 240V AC, 550 W	100 to 240V AC, 50 to 60 Hz
Power Consumption	≤30 W without HDD or DVD-R/W	≤45 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
Requires rack shelf (Not included) to mount in a 19" equipment rack; it is Not recommended to rack mount the unit using rack rails and rack ears (Not included) due to the weight. Weight without HDD ≤15.86 Kg (31.79 lb)

PROFESSIONAL SOLUTIONS

NETWORK VIDEO RECORDERS - VALUE AND PERFORMANCE SERIES

	PLUG-AND-PLAY - VALUE SERIES	PLUG-AND-PLAY - PERFORMANCE SERIES	
Model			
	DS-7604NI-Q1/4P DS-7608NI-Q2/8P DS-7616NI-Q2/16P	DS-7608NI-I2/8P DS-7616NI-I2/16P	DS-7716NI-I4/16P
Max. Recording Resolution	8 MP	12 MP	12 MP
Video Compression	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA Output	4K (3840x2160)/1920x1080 independent output (except 4-ch)	3840x2160/1920x1080, 1920x1080/1920x1080, independent output	2x HDMI - 3840×2160/1920×1080 1x VGA - 2560×1440 1 CVBS output
IP Video Input	**4/8/16-ch:** IPC with integrated **4/8/16:** port 802.3af/at PoE switch	**8/16-ch:** IPC with integrated **8/16:** port 802.3af/at PoE switch	16-ch IPC with integrated 16-port 802.3af/at PoE switch
Audio Input/Output	1/1	1/1	1/1
Alarm Input/Output	4-ch/1-ch	4-ch/1-ch	16-ch/4-ch
Internal SATA	**4-ch:** 1 **8/16-ch:** 2 SATA interface (up to 6 TB each)	2 SATA interfaces (up to 12 TB each)	4 SATA interfaces (up to 12 TB each)
Max. Internal Storage	**4-ch:** 6 TB, **8/16-ch:** 12 TB	24 TB	48 TB
Max Incoming Bandwidth (Mbps)	**4-ch:** 40, **8-ch:** 80, **16-ch:** 160	**8-ch:** 80, **16-ch:** 160	160
Maximum Outgoing Bandwidth (Mbps)	80	256	256
Max. Remote Connections	**4-ch:** 16 **8/16-ch:** 64	**4/8-ch:** 32 **16-ch:** 128	128
Rack Units	1	1	1.5
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
PoE Budget	**4-ch:** 50 W, **8-ch:** 80 W, **16-ch:** 150 W	**8-ch:** 120 W, **16-ch:** 280 W	200 W
Power Requirements	**4-ch:** 48V DC, **8/16-ch:** 100-240V AC, ≤10 W without HDD	100 to 240V AC, ≤15 W without HDD	100 to 240V AC, ≤20 W without HDD

Complies with ONVIF (Profile S), PSIA, CGI ISAPI. Contact for factory details
Command Protocols: Hikvision and Pelco D/P protocols

NETWORK VIDEO RECORDERS - PERFORMANCE SERIES

	PLUG-AND-PLAY - PERFORMANCE SERIES	ACUSENSE - HUMAN/VEHICLE DETECTION		
Model	DS-7732NI-I4 DS-7732NI-I4/16P DS-7732NI-I4/24P	DS-7608NXI-I2/8P/4S DS-7616NXI-I2/16P/4S	DS-7716NXI-I4/16P/4S	DS-7732NXI-I4/16P/4S
Max. Recording Resolution	12 MP	12 MP	12 MP	12 MP
Video Compression	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA Output	1x HDMI - 3840x2160/1920x1080, 1x VGA - 2560x1440, independent output (B and 24P models include 2x HDMI, 1x CVBS output)	4K (3840x2160)/1920x1080 independent output	2x HDMI - 3840x2160/1920x1080, 1x VGA - 1920x1080/1920x1080, independent output, 1x CVBS output	2x HDMI - 3840x2160/1920x1080, 1x VGA - 1920x1080/1920x1080, independent output, 1x CVBS output
IP Video Input	**32-ch**: without PoE **16/32-ch**: IPC with integrated 16/24-port 802.3af/at PoE switch	**8/16-ch**: IPC with integrated 8/16-port 802.3af/at PoE switch	**16-ch**: IPC with integrated 16-port 802.3af/at PoE switch	**32-ch**: IPC with integrated 16-port 802.3af/at PoE switch
Audio Input/Output	1/1	1/1	1/1	1/1
Alarm Input/Output	16-ch/4-ch (Optional: 16-ch/8-ch)	4-ch/1-ch	16-ch/8-ch	16-ch/8-ch
Internal SATA	4 SATA interfaces (up to 12 TB each)	2 SATA interfaces (up to 12 TB each)	4 SATA interfaces (up to 12 TB each)	4 SATA interfaces (up to 12 TB each)
Max. Internal Storage	48 TB	24 TB	48 TB	48 TB
Max Incoming Bandwidth (Mbps)	**I4/16P**: 256 **24P**: 320	**8-ch**: 80, **16-ch**: 160	256	256
Maximum Outgoing Bandwidth (Mbps)	256	256	200	200
Max. Remote Connections	128	128	128	128
Rack Units	1.5	1	1.5	1.5
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
PoE Budget	0 (I4), 200 W (16P), 210 W (24P)	**8-ch**: 120 W, **16-ch**: 200 W	200 W	200 W
Power Requirements	100 to 240V AC, ≤20 W without HDD	100 to 240V AC, ≤15 W without HDD	100 to 240V AC, ≤30 W without HDD	100 to 240V AC, ≤30 W without HDD

Complies with ONVIF (Profile S), PSIA, CGI ISAPI. Contact for factory details
Command Protocols: Hikvision and Pelco D/P protocols

PERFORMANCE SOLUTIONS

	PLUG-AND-PLAY NVR	
Model		
	ERI-Q104-P41 (1 TB) **ERI-Q104-P42** (2 TB)	**ERI-Q108-P82** (2 TB) **ERI-Q108-P84** (4 TB)
Max. Recording Resolution	4 MP	4 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
HDMI/VGA Output	1920×1080/1920×1080, synchronized output	1920×1080/1920×1080, synchronized output
IP Video Input	4/8 ch NVR with integrated 4/8 port 802.3af/at PoE switch	4/8 ch NVR with integrated 4/8 port 802.3af/at PoE switch
Audio Input/Output	1 line in/1 line out	1 line in/1 line out
Alarm Input/Output	---	---
USB	2 USB 2.0	2 USB 2.0
Internal SATA	Pre-configured 1 or 2 TB	Pre-configured 2 or 4 TB
eSATA Interface	---	---
Support DVD-RW	---	---
Max Incoming Bandwidth (Mbps)	40	60
Maximum Outgoing Bandwidth (Mbps)	60	60
Max. Remote Connections	32	32
Rack Units	1	1
Ratings	UL/cUL Listed	UL/cUL Listed
PoE Budget	36 W	75 W
Power Requirements	48V DC, ≤10 W without HDD	48V DC, ≤10 W without HDD

	SUPER VALUE TURRETS
Model	
	ECI-T22F2 ECI-T24F2
Megapixels	2/4 MP
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR
Lens	Fixed, 2.8 mm @ ƒ/2.0
Day/Night	IR cut filter
BLC/WDR	Yes/Digital
IR Range Max (meters)	30
Video Compression	H.265+/H.265/ H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	**2 MP**: 1920x1080, 30 **4 MP**: 2560x1440, 20
Motion Detection	Yes
Audio Input/Output	---
Alarm Input/Output	---
Ratings	IP67, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 5.3 W
Brackets	PC110T, WMS, PM, CM, CBS

Value Express IP Kits

Value Express IP Kits are complete recorder and camera kits for single-site applications. Kits contain a recorder and multiple cameras in a single box, suitable for DIY in residential or small business applications. These IP Kits include 4- and 8-channel recorders along with 4 and 6 cameras respectively.

FEATURES

- Includes 2 MP or 4 MP cameras with 2.8 mm lens.
- Record up to 4K/8 MP resolution on IP cameras with 4K UHD output.
- H.265+ video compression reduces data and storage usage by up to 80 percent.
- Cameras include latest EXIR 2.0 illumination up to 100 ft.
- Plug and Play operation with built-in PoE ports for ease of installation.

EKI-Q41T24

Includes four 2 MP Outdoor IR Turrets (ECI-T22F2) and one 4-channel NVR (ERI-Q104-P4)

EKI-Q82T26

Includes six 2 MP Outdoor IR Turrets (ECI-T22F2) and one 8-channel NVR (ERI-Q108-P8)

EKI-Q41T44

Includes four 4 MP Outdoor IR Turrets (ECI-T24F2) and one 4-channel NVR (ERI-Q104-P4)

EKI-Q82T46

Includes six 4 MP Outdoor IR Turrets (ECI-T24F2) and one 8-channel NVR (ERI-Q108-P8)

TurboHD™ CAMERA COMPARISON CHART

Levels	VALUE EXPRESS	VALUE			PERFORMANCE				PROFESSIONAL			
Key Features	• Entry-level budget cameras • 2, 5, 8 MP options available • Fixed and varifocal lenses and PTZs • New numbering scheme • Matching 4, 8, and 16 channel DVRs	• A step up without stretching the budget • Models include domes, turrets and bullets • 2, 5, 8 MP options available • Multiple lens sizes including varifocal • Latest EXIR 2.0 IR technology			• High-security, application specific cameras • Models with PIR detection and soft white light • Multiple lens sizes including varifocal • Excellent low-light color imaging • DFT ColorVu models offer 24/7 imaging				• High performance, fully-loaded project cameras • Models include domes, turrets and bullets • 2, 5, 8 MP options available • Multiple lens sizes including varifocal • 120dB WDR and PoC models available • Heater options (D9 Series)			
Series	ECT	D3T D8T (Black)	H0T H1T	U1T	D0T-PIRL	D8T-PIRL	DFT ColorVu	H0-PIRL	D9T D5T (Heater)	H5T	H8T	U8T
Image Quality	0.01 Lux DNR DWDR	0.005 Lux 3D DNR True WDR	0.01 Lux DNR DWDR	0.003 Lux 3D DNR True WDR	0.01 Lux DNR DWDR	0.005 Lux 3D DNR True WDR	0.0005 Lux 3D DNR True WDR	0.01 Lux DNR	0.005 Lux 3D DNR True WDR	0.008 Lux DNR DWDR	0.003 Lux 3D DNR True WDR	0.003 Lux 3D DNR True WDR
Resolution	2 MP	2 MP	5 MP	8 MP	2 MP	2 MP	2 MP	5 MP	2 MP	5 MP	5 MP	8 MP
4 in 1 output (TVI, CVI, AHD, CVBS)	✔	✔	✔	✔	---	---	✔	---	Dual TVI/ CVBS	---	TVI/CVBS only	---
Day/Night	True	True	True	True	True	True	24/7 Color	True	True	True	True	True
EXIR 2.0 Range Max. (meters)	20	20/30/40/ 50/70	20/40/80	30/60/80	20	20	---	20	40/80/110	20/40/60/80	30/60/80	40/60/80
PIR Detection	---	---	---	---	✔	✔	---	✔	---	---	---	---
White Supplemental Light	---	---	---	---	✔	✔	✔	✔	---	---	---	---
Defog	---	---	---	---	---	---	---	---	✔	---	---	✔
Fisheye	---	---	H1T only	---	---	---	---	---	---	---	---	---

Enjoy high definition video using existing cabling with Hikvision's TurboHD (HD over Coax) HD-TVI technology. It provides HD video up to 4K over coaxial cable at distances up to 2,600 feet. Specially designed for analog users who want a high definition surveillance system without the cost and time of upgrading to IP or replacing existing cabling structures. Delivering impressive image quality, this camera line offers incredibly durable, vandal-proof products with features such as industry–leading H.265+ video compression, OSD menu via Up-the-Coax (UTC), Power over Coax (PoC), EXIR 2.0 illumination, motorized zoom and focus, and 120dB WDR.

2 MP Outdoor Ultra-Low Light PIR Bullet Camera
DS-2CE12D8T-PIRL

TurboHD™ Analog Cameras

FEATURES

- Choice of budget-level Value series (U1T, H0T, D3T), Performance series (PIRL, DFT ColorVu,) or fully-featured Pro series (U8T, H5T, H8T, D5T ,D9T) in dome, turret and bullet form factors.
- Varied resolutions, including 720p, 1080p (2 MP), 5 MP and 8 MP (4K).
- Unique features like Power over Coax (PoC) models reduce installation costs dramatically.

- Multi-standard support for TVI, AHD, CVI and CVBS analog signals on several camera models.
- PIR (passive infrared) versions include built-in supplemental lighting.
- ColorVu 24/7 color imaging even in complete darkness

TurboHD™ ANALOG CAMERAS

	COLORVU OUTDOOR BULLET		COLORVU OUTDOOR TURRET		INDOOR BOX CAMERA	
Model				**Model**	*Lens not included*	*Lens not included*
	DS-2CE10DFT-F	DS-2CE12DFT-F	DS-2CE72DFT-F		DS-2CC12D8T-AMM	DS-2CE37U8T-A
TurboHD Series	Performance	Performance	Performance	**TurboHD Series**	Value	Professional
Megapixels	2 MP	2 MP	2 MP	**Megapixels**	2 MP	8 MP
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	**Video Out**	HD-TVI/CVBS (Selectable)	HD-TVI
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	**HD-TVI Resolution**	1920x1080	3840x2160
CVBS Resolution	960H	960H	960H	**CVBS Resolution**	960H	720x576
Min. Illumination (lux)	Color: 0.0005 @ ƒ/1.0, AGC ON, B/W: 0 with IR	Color: 0.0005 @ ƒ/1.0, AGC ON, B/W: 0 with IR	Color: 0.0005 @ ƒ/1.0, AGC ON, B/W: 0 with IR	**Min. Illumination (lux)**	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	**Lens**	C/CS Mount	C/CS mount
Day/Night, BLC, WDR	24/7 Color, Yes, 120 dB	24/7 Color, Yes, 120 dB	24/7 Color, Yes, 120 dB	**Day/Night, BLC, WDR**	Auto/Color/Black and White, Yes, 120 dB	TRUE, Yes, 120 dB
IR Range max (meters)	White Light Distance Up to 20 m	White Light Distance Up to 40 m	White Light Distance Up to 20 m	**IR Range max (meters)**	---	---
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	**OSD Menu via Up-the-Coax (UTC)**	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	**Ratings**	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	**Operating Temperature Range**	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 3 W	12V DC ±25%, 4.2 W	12V DC ±25%, 3 W	**Power Requirements (max.)**	12V DC ±25%, 24V AC ±25%, 3 W	12V DC ±25%, 24V AC ±25%, 10 W
Brackets	CBXS	CBXS	PC110T, CBS, ABS	**Brackets**	---	CBXS

TurboHD™ SOLUTIONS

OUTDOOR BULLET

Model	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0 **NEW**
	DS-2CE11H0T-PIRL	DS-2CE12H0T-PIRL	DS-2CE12D0T-PIRL	DS-2CE11D0T-PIRL	DS-2CE11D8T-PIRL	DS-2CE12D8T-PIRL	DS-2CE16U1T-ITF
TurboHD Series	Performance	Performance	Performance	Performance	Performance	Performance	Value
Megapixels	5 MP	5 MP	2 MP	2 MP	2 MP	2 MP	8 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	2560x1944	2560x1944	1920x1080	1920x1080	1920x1080	1920x1080	3840×2160
CVBS Resolution	---	---	---	---	---	---	960H
Min. Illumination (lux)	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 6 mm
Day/Night, BLC, WDR	TRUE, Yes, No	TRUE, Yes, No	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 105 dB
IR Range max (meters)	20	20	20	20	20	20	30
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.5 W	12V DC ±25%, 4.5 W	12V DC ±25%, 4 W	12V DC ±25%, 4.5 W	12V DC ±25%, 4.5 W	12V DC ±25%, 4.5 W	12V DC ±25%, 5.3 W
Brackets	CBXS	CBXS	CBXS	CBXS	CBXS	CBXS	CBXS

	OUTDOOR BULLET						
Model	EXIR 2.0	EXIR 2.0	EXIR 2.0 **NEW**	EXIR 2.0	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 (PoC) **NEW**
	DS-2CE16D3T-ITF	DS-2CE16D3T-I3F	DS-2CE16U1T-IT3F	DS-2CE18U8T-IT3	DS-2CE16H0T-IT3F DS-2CE16H0T-IT5F	DS-2CE16H5T-ITE DS-2CE16H5T-IT1E DS-2CE16H5T-IT3E DS-2CE16H5T-IT5E	DS-2CE16H8T-IT3F
TurboHD Series	Value	Value	Value	Professional	Professional	Professional	Professional
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944	2560x1944
CVBS Resolution	700TVL	700TVL	960H	720x576	960H	---	---
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01@ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	**IT3:** Fixed 2.8mm, 3.6 mm, 6 mm, 8 mm, 12 mm **IT5:** Fixed 3.6 mm, 6 mm, 12 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	True, Yes, 105 dB	TRUE, Yes, 120 dB	TRUE, Yes, Digital	TRUE, Yes, Digital	True, Yes, 130 dB
IR Range max (meters)	30	30	60	60	**IT3:** Up to 40m **IT5:** Up to 80 m	**ITE/IT1E:** 20 m **IT3E:** 40 m **IT5E:** 80 m	60 m
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	IP65, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.6W	12V DC ±25%, 4.7 W	12V DC ±25%, 5.9 W	12V DC ±25%, 4.8 W	12V DC ±25%, **IT3:** 4.3 W **IT5:** 5.2 W	12V DC ±25%/PoC.af, **ITE/IT1E/IT3E:** 4.5 W **IT5E:** 6.5 W	12V DC ±25%, 5.8 W
Brackets	CBXS	CBXS	CBXS	CBXS	CBXS	CBXS	CBXS

	OUTDOOR BULLET	OUTDOOR VF BULLET					
	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 **NEW**	EXIR 2.0	EXIR 2.0	EXIR 2.0 **NEW**	EXIR 2.0
Model	DS-2CE16D3T-IT3F	DS-2CC12D9T-IT3E DS-2CC12D9T-IT5E	DS-2CE19U1T-AIT3ZF	DS-2CE19U8T-AIT3Z	DS-2CE16H0T-AIT3ZF	DS-2CE19H8T-AIT3ZF	DS-2CE19D3T-AIT3ZF
TurboHD Series	Value	Professional	Value	Professional	Value	Professional	Value
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944	1920x1080
CVBS Resolution	700TVL	720x576	960H	720x576	960H	---	700TVL
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	2.7 to 13.5 mm motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens	2.7 to 13.5 mm motorized vari-focal lens	2.7 to 13.5 mm motorized vari-focal lens	2.7 to 13.5 mm motorized vari-focal lens
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	True, Yes, 105 dB	TRUE, Yes, 120 dB	TRUE, Yes, Digital	True, Yes, 130 dB	TRUE, Yes, 120 dB
IR Range max (meters)	50	**IT3E:** 40 **IT5E:** 80	80	80	Up to 40 m	80	70
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 5.6 W	12V DC ±30%/PoC.at, **IT3E:** 4 W **IT5E:** 5.5 W	9.6V DC to 14.4V DC; 19.2V AC to 28.8V AC, 10.8 W	12V DC ±25%, 24V DC ±25%, 14.5 W	12V DC ±15%, 24V AC ±15%, 8.9 W	9.6V DC to 14.4V DC; 19.2V AC to 28.8V AC, 10.5 W	24V AC ±15%, 12V DC ±20%, 9.7 W
Brackets	CBXS	CBXS	CBS	CBS	CBS	CBS	CBS

TurboHD™ ANALOG CAMERAS

	OUTDOOR VF BULLET			OUTDOOR DOME			
Model	EXIR 2.0	EXIR 2.0 PoC	EXIR 2.0	EXIR 2.0 NEW	EXIR 2.0	EXIR 2.0	EXIR 2.0 PoC
	DS-2CE16D5T-AIR3ZH	DS-2CC12D9T-AIT3ZE	DS-2CE16D9T-AIRAZH	DS-2CE57U1T-VPITF	DS-2CE57U8T-VPIT	DS-2CE56H0T-VPITF	DS-2CE56H5T-VPITE
TurboHD Series	Professional	Professional	Professional	Value	Professional	Value	Professional
Megapixels	2 MP	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP
Video Out	HD-TVI/CVBS (Dual)	HD-TVI	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944
CVBS Resolution	600TVL	720x576	600TVL	960H	720x576	960H	---
Min. Illumination (lux)	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	2.8 to 12 mm motorized vari-focal lens	2.8 mm to 12 mm motorized vari-focal lens	5 to 50 mm motorized vari-focal lens	2.8 mm, 6 mm options	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 105 dB	TRUE, Yes, 120 dB	TRUE, Yes, Digital	TRUE, Yes, Digital
IR Range max (meters)	40	40	110	30	40	Up to 20 m	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC, 12 W 24V AC, 12 W	24V AC/12V DC ±30%, PoC.at, 7.5 W	12V DC, 20 W 24V AC, 20 W	12V DC ±25%, 5.3 W	12V DC ±25%, 4.8 W	12V DC ±25%, 4.3 W	12V DC ±25%, PoC.af, 4.5 W
Brackets	CBS	CBS	CB130, CBS	AB110, CB110, WM110	PC110, CB110, AB110, WM110, SRS, SRSM	PC110, CB110, AB110, WM110, SRS, SRSM	PC110, CB110, AB110, WM110, SRS, SRSM

TurboHD™ ANALOG CAMERAS

	OUTDOOR DOME		INDOOR DOME		INDOOR VF DOME	OUTDOOR VF DOME	
	EXIR 2.0 **NEW**	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0 PoC	EXIR 2.0 **NEW**	EXIR 2.0
Model	DS-2CE57H8T-VPITF	DS-2CE57D3T-VPITF	DS-2CE56D8T-VPITB (Black)	DS-2CE56H0T-AITZF	DS-2CC52D9T-AITZE	DS-2CE59U1T-AVPIT3ZF	DS-2CE59U8T-AVPIT3Z
TurboHD Series	Professional	Value	Value	Value	Professional	Value	Professional
Megapixels	5 MP	2 MP	2 MP	5 MP	2 MP	8 MP	8 MP
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	HD-TVI
HD-TVI Resolution	2560×1944	1920x1080	1920x1080	2560x1944	1920x1080	3840x2160	3840x2160
CVBS Resolution	---	700TVL	---	960H	720x576	960H	720x576
Min. Illumination (lux)	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	2.7 to 13.5 mm motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens	2.7 to 13.5 mm motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens
Day/Night, BLC, WDR	TRUE, Yes, 130 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, Digital	TRUE, Yes, 120 dB	TRUE, Yes, 105 dB	TRUE, Yes, 120 dB
IR Range max (meters)	30	30	20	40	40	60	60
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, IK10, UL/cUL Listed	IP67,IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 5.8 W	12V DC ±25%, 4.6 W	12 V DC ±25%, 3.2 W	12V DC ±15%, 24V AC ±15%, 6 W	24V AC/12V DC ±30%/PoC.at, 6 W	9.6V DC to 14.4V DC; 19.2V AC to 28.8 VAC, 8.2W	12V DC ±25%, 24V DC ±25%, 10.5 W
Brackets	AB110, CB110, WM110	AB110, PC110, CB110, WM110	CB110	PC130, RCM-3, SRS, SRSL	PC130, RCM-3, SRS, SRSL	SRSL, RCM-2 , ABL	PC140, RCM-2, SRS, SRSL

OUTDOOR VF DOME

Model	EXIR 2.0 DS-2CE56H0T-AVPIT3ZF	EXIR 2.0 PoC DS-2CE56H5T-VPIT3ZE	EXIR 2.0 PoC NEW DS-2CE59H8T-AVPIT3ZF	EXIR 2.0 DS-2CE5AD3T-AVPIT3ZF	EXIR 2.0 DS-2CE56D8T-AVPIT3ZB (Black)	EXIR 2.0 PoC DS-2CC52D9T-AVPIT3ZE	EXIR 2.0 DS-2CE56D5T-AVPIR3ZH
TurboHD Series	Value	Professional	Professional	Value	Value	Professional	Professional
Megapixels	5 MP	5 MP	5 MP	2 MP	2 MP	2 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	HD-TVI/CVBS (Dual)
HD-TVI Resolution	2560x1944	2560x1944	2560×1944	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	960H	---	---	700TVL	---	720x576	600TVL
Min. Illumination (lux)	Color: 0.01 @ ƒ/1.2 AGC ON, B/W: 0 with IR	Color: 0.008 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR
Lens	2.7 to 13.5 mm motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens	2.7 to 13.5 mm motorized varifocal lens	2.7 to 13.5 mm motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens	2.8 to 12 mm, motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens
Day/Night, BLC, WDR	TRUE, Yes, Digital	TRUE, Yes, Digital	TRUE, Yes, 130 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB
IR Range max (meters)	40	40	60	70	40	40	40
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12V DC ±15%, 24V AC ±15%, 6 W	12V DC ±25%, ±25%/PoC.at, 8 W	9.6V DC to 14.4V DC; 19.2V AC to 28.8V AC, 8 W	24V AC ±15%, 12V DC ±20%, 9.7 W	12 V DC ±25%, 24V AC ±25%, 7 W	24V AC/12V DC ±30%, PoC.at, 6 W	11V DC, 9 W 24V AC, 9 W
Brackets	PC140, RCM-2, SRS, SRSL	PC140, RCM-2, SRS, SRSL	SRSL, RCM-2, ABL	AB110, PC110, CB110, WM110	PC130	PC140, RCM-2, SRS, SRSL	PC140

	OUTDOOR TURRET						
	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0 **NEW**	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 **NEW**
Model	DS-2CE71H0T-PIRL	DS-2CE71D0T-PIRL	DS-2CE71D8T-PIRL	DS-2CE76U1T-ITMF	DS-2CE56H0T-ITMF	DS-2CE56H5T-ITME	DS-2CE76H8T-ITMF
TurboHD Series	Performance	Performance	Performance	Value	Value	Professional	Professional
Megapixels	5 MP	2 MP	2 MP	8 MP	5 MP	5 MP	5 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	2560x1944	1920x1080	1920x1080	3840×2160	2560x1944	2560x1944	2560×1944
CVBS Resolution	---	---	---	960H	960H	---	---
Min. Illumination (lux)	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 6mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 105 dB	TRUE, Yes, Digital	TRUE, Yes, Digital	TRUE, Yes, 130 dB
IR Range max (meters)	20	20	20	30	20	40	30
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.5 W	12V DC ±25%, 4 W	12V DC ±25%, 4.5 W	12V DC ±25%, 5.3W	12V DC ±25%, 4.3 W	12V DC ±25%/PoC.af, 9 W	12V DC ±25%, 5.8W
Brackets	PC110T, CBS, ABS	PC110T, CBS, ABS	PC110T, CBS, ABS	CBXS	PC110T, PM, CBXS	PC110T, CBXS	CBXS

TurboHD™ ANALOG CAMERAS

	OUTDOOR TURRET						
Model	EXIR 2.0	EXIR 2.0	EXIR 2.0 **NEW**	EXIR 2.0	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 **NEW**
	DS-2CE76D3T-ITMF	DS-2CE56D8T–ITMB (Black)	DS-2CE78U1T-IT3F	DS-2CE78U8T-IT3	DS-2CE56H0T-IT3F	DS-2CE56H5T-IT1E DS-2CE56H5T-IT3E	DS-2CE78H8T-IT3F
TurboHD Series	Value	Value	Value	Professional	Value	Professional	Professional
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840×2160	3840x2160	2560×1944	2560x1944	2560×1944
CVBS Resolution	700TVL	---	960H	720x576	960H	---	---
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm	**IT1E:** Fixed 2.8 mm, 3.6 mm, 6 mm **IT3E:** Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm	Fixed 2.8 mm, 3.6 mm, 6 mm
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 105 dB	TRUE, Yes, 120 dB	TRUE, Yes, Digital	TRUE, Yes, Digital	TRUE, Yes, 130 dB
IR Range max (meters)	30	20	60	60	40	20	60
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.6 W	12V DC ±25%, 3.6 W	12V DC ±25%, 5.3W	12V DC ±25%, 4.8 W	12V DC ±25%, 4.3W	12V DC ±25%/PoC.af, 4.5 W	12V DC ±25%, 5.8W
Brackets	PC110T, CBXS	CBXS	CBS	PC110T, CBS, ABS	PC110T, CBS, ABS	PC110T, CBS, ABS	CBS

	OUTDOOR TURRET		OUTDOOR VF TURRET				
	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 **NEW**	EXIR 2.0	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 **NEW**
Model	DS-2CE78D3T-IT3F	DS-2CC52D9T-IT3E	DS-2CE79U1T-IT3ZF	DS-2CE79U8T-IT3Z	DS-2CE56H0T-IT3ZF	DS-2CE56H5T-IT3ZE	DS-2CE79H8T-AIT3ZF
TurboHD Series	Value	Professional	Value	Professional	Value	Professional	Professional
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840×2160	3840x2160	2560x1944	2560x1944	2560×1944
CVBS Resolution	700TVL	720x576	960H	720x576	960H	---	---
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.008 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.003 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	2.7 to 13.5 mm motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens	2.7 to 13.5 mm motorized vari-focal lens	2.8 to 12 mm motorized vari-focal lens	2.7 to 13.5 mm motorized varifocal lens
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB	TRUE, Yes, 105 dB	TRUE, Yes, 120 dB	TRUE, Yes, Digital	TRUE, Yes, Digital	TRUE, Yes, 130 dB
IR Range max (meters)	50	40	60	80	40	80	60
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.6 W	12V DC ±30%, PoC.af, 4 W	9V DC to 15V DC, 8.6 W	12V DC ±25%, 14 W	12V DC ±25%, 6.3 W	12V DC ±25%/PoC.af, 8 W	12V DC ± 20%, 24V AC ± 20%, 10.5W
Brackets	PC110T, ABS, CBS	PC110T, CBS, ABS	CBM, ABM	PC130T, CBM, ABM	PC130T, CBM, ABM	PC130T, CBM, ABM	CBM

TurboHD™ ANALOG CAMERAS

	OUTDOOR TURRET	INDOOR FISHEYE	INDOOR CUBE
Model	EXIR 2.0	EXIR	EXIR
	DS-2CE79D3T-IT3ZF	DS-2CC52H1T-FITS	DS-2CE38D8T-PIR
TurboHD Series	Value	Value	Value
Megapixels	2 MP	5 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI
HD-TVI Resolution	1920x1080	2560x1944	1920x1080
CVBS Resolution	700TVL	---	---
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.01 @ ƒ/1.2, AGC ON, B/W: 0 with IR	Color: 0.005 @ ƒ/1.2, AGC ON, B/W: 0 with IR
Lens	2.7 mm to 13.5 mm motorized vari-focal lens	1.1 mm	Fixed, 2.8 mm, 3.6 mm
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, ---, ---	TRUE, Yes, 120 dB
IR Range max (meters)	70	20	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-20° C to 60° C (-4° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 7.7 W	12V DC ±15%, 5.5 W	12V DC ±25%, 5W
Brackets	PC130T, CBM, ABM	AB-FE2, WM-C	Included

TurboHD™ ANALOG PTZ CAMERAS - 720p AND 1080p

	INDOOR	
Model	DS-2AE4225T-A3	DS-2AE5225T-A3
Video Out	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON
HD-TVI Resolution	1920x1080	1920x1080
CVBS Resolution	960H	960H
Lens	4.8 to 120 mm motorized vari-focal lens	4.8 to 120 mm motorized vari-focal lens
Horizontal Angle of View	57.6° to 2.5°	57.6° to 2.5°
Optical Zoom	25x	25x
Pan & Tilt Speed (Manual)	0.1° to 100°/s 0.1° to 80°/s	0.1° to 250°/s 0.1° to 150°/s
Pan & Tilt Speed (Preset)	100°/s 80°/s	250°/s 150°/s
Day/Night, BLC, WDR	TRUE, Yes, Digital	TRUE, Yes, Digital
IR Range max (meters)	--	---
Ratings	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)
Power Requirements (max.)	24V AC Max. 14 W	24VA C Max. 18 W
Brackets	Included	Included

TurboHD™ ANALOG PTZ CAMERAS - 720p AND 1080p

Model	INDOOR	OUTDOOR			OUTDOOR IR
	DS-2AE5232T-A3	DS-2AE4225T-A	DS-2AE5225T-A	DS-2AE5232T-A	DS-2AE7232TI-A
Video Out	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON 0 with IR
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	960H	960H	960H	960H	960H
Lens	4.8 to 153 mm motorized vari-focal lens	4.8 to 120 mm motorized vari-focal lens	4.8 to 120 mm motorized vari-focal lens	4.8 to 153 mm motorized vari-focal lens	4.8 to 153 mm motorized vari-focal lens
Horizontal Angle of View	55.6° to 2.04°	57.6° to 2.5°	57.6° to 2.5°	55.6° to 2.04°	54.2° to 1.97°
Optical Zoom	32x	25x	25x	32x	32x
Pan & Tilt Speed (Manual)	0.1° to 250°/s 0.1° to 150°/s	0.1° to 100°/s 0.1° to 80°/s	0.1° to 250°/s 0.1° to 150°/s	0.1° to 250°/s 0.1° to 150°/s	0.1° to 160°/s 0.1° to 120°/s
Pan & Tilt Speed (Preset)	250°/s 150°/s	100°/s 80°/s	250°/s 150°/s	250°/s 150°/s	160°/s 120°/s
Day/Night, BLC, WDR	TRUE, Yes, Digital	TRUE, Yes, Digital	TRUE, Yes, Digital	TRUE, Yes, Digital	TRUE, Yes, Digital
IR Range max (meters)	---	---	---	---	150
Ratings	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24V AC Max. 18 W	24V AC Max. 20 W	24V AC Max. 24 W	24V AC Max. 24 W	24V AC Max. 40 W (IR: 14 W)
Brackets	Included	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	WMP-L, JBPW-L, CPM-S, CPM-L, RPM

TVI ANALOG CAMERAS - VALUE EXPRESS SERIES

	OUTDOOR BULLET	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR DOME	OUTDOOR TURRET
Model					
	ECT-B12	**ECT-T12**	**ECT-B32V2**	**ECT-D32V2**	**ECT-T32V2**
Megapixels	2 MP		2 MP		
Video Out	4 in 1 video output (switchable TVI/AHD/CVI/CVBS); 1 HD analog output		4 in 1 video output (switchable TVI/AHD/CVI/CVBS); 1 HD analog output		
Image Sensor	2 MP CMOS		2 MP CMOS		
HD-TVI Resolution	2 MP		2 MP		
CVBS Resolution	960H		960H		
Min. Illumination (lux)	Color: 0.01 @ ƒ/1.2, AGC on B/W: 0 with IR		Color: 0.01 @ ƒ/1.2, AGC on B/W: 0 with IR		
Lens	2.8 mm, 3.6 mm options		2.8 to 12 mm		
Horizontal Angle of View	103° (2.8 mm), 80.7° (3.6 mm)		111.5° to 33.4°		
Pan/ Tilt/Rotation	0° to 360°/ 0° to 180/0° to 360°	0° to 360°/ 0° to 75°/0° to 360°	0° to 360°/ 0° to 90°/0° to 360°	0° to 355/ 0° to 75°/0° to 355°	0° to 360°/ 0° to 75°/0° to 360°
Day/Night, BLC, WDR	True, Yes, Yes		True, Yes, Yes		
IR Range max (meters)	20		40		
Vertical Synchronization	Internal		Internal		
OSD Menu via Up-the-Coax (UTC)	Yes		Yes		
Ratings	IP66, UL/cUL Listed		IP66, UL/cUL Listed		
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		
Power Requirements (max.)	12V DC Max., 4 W		12V DC Max., 4.8 W	12V DC Max., 3.9 W	12V DC Max., 4.8 W
Brackets	CBXS	CBXS, PC110T	CBS	SRSL	PC130T, CBT-1, CBM, ABM

	INDOOR PTZ	OUTDOOR PTZ
Model		
	EPT-4215-D3	**EPT-4215I-D**
Video Out	HD-TVI/CVBS, UTC Menu	HD-TVI/CVBS, UTC Menu
Image Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON	Color: 0.005 @ ƒ/1.6, AGC ON B/W: 0.001 @ ƒ/1.6, AGC ON
HD-TVI Resolution	1920x1080	1920x1080
CVBS Resolution	600 TVL	600 TVL
Lens	5 to 75 mm, motorized zoom, autofocus	5 to 75 mm, motorized zoom, autofocus
Horizontal Angle of View	53.8° to 4.0°	53.8° to 4.0°
Optical Zoom	15x	15x
Pan Range	360° endless	360° endless
Tilt Range	-5° to 90° (auto flip)	-5° to 90° (auto flip)
Pan & Tilt Speed (Manual)	0.1° to 100°/sec. & 0.1° to 80°/sec.	0.1° to 100°/sec. & 0.1° to 80°/sec.
Pan & Tilt Speed (Preset)	100°/sec. & 80°/sec.	100°/sec. & 80°/sec.
Day/Night, BLC, WDR	TRUE, Yes, 120 dB	TRUE, Yes, 120 dB
IR Range max (meters)	---	100m
Presets/Tours/Patterns	256/10/5	256/10/5
Up-the Coax Control	Hikvision-C	Hikvision-C
RS485 Control	Hikvision, Pelco D/P	Hikvision, Pelco D/P
Ratings	UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)
Power Requirements (max.)	12V DC, 12 W	12V DC, 20 W
Brackets	Included	WMP-L, JBPW, CPM-S, CPM-L, SNB-PV

Complies with ONVIF (Profile S and G), ASAPI. Contact for factory details.
See data sheet for supported analytics.

VALUE EXPRESS SOLUTIONS

DIGITAL VIDEO RECORDER COMPARISON CHART

Levels	VALUE EXPRESS	VALUE			PROFESSIONAL		
Key Features	• Entry-level DVR • 1080p resolution • Best price/performance models • H.264+ compression • Up to 2 MP IPC connectivity	• Up to 8 MP resolution • Price concious enhanced performance models • Our most popular DVR's • Uses the latest video compression (H.265+) • Up to 8 MP IPC connectivity • Power over Coax models			• Up to 5 MP resolution • High performance, fully-loaded project DVR's • Extra capacity for larger project application • Uses the latest video compression (H.265+) • Up to 12 MP IPC connectivity • Supports Point of Sale interface • HDD RAID configuration capable		
Series	ERT	72xxHQI	72xxHUI	72xxHTI	73xxHQI	73xxHUI	90xxHUI
Max TVI Resolution	1080p	2 MP	5 MP	8 MP	2 MP	5 MP	5 MP
Analog input	4/8/16	4/8/16	4/8/16	4/8	8/16/32	8/16/32	8/16/32
Max fps	720p, 30 1080p, 12	720p, 30 1080p,15	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 30 5 MP, 20 8 MP, 12	720p, 30 1080p, 15	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12
Codec	H.264+	H.265+	H.265+	H.265+	H.265+	H.265+	H.265+
IP Video Inputs	1	2, 4 or 8	4, 8 or 16	4 or 8	4, 8 or 16	8 or 16	10, 18 or 32
Max IPC Resolution	1080p	6 MP	8 MP	8 MP	6 MP	8 MP	12 MP
Total Bandwidth (Mbps)	F204, 60 F208, 96 F216, 128	7204, 72 7208, 96 7216, 128	7204, 96 7208, 128	7204, 96 7208, 128	7308/7316, 120 7332, 160	7308, 200 7316/7332, 260	9008, 260 9016, 320 9032, 520
Network Interfaces	1	1	1	1	1	2	2
Internal SATA	1 or 2	1 or 2	1 or 2	1 or 2	4	4	8
Max HDD size	1, 2 or 4 TB (pre-installed)	10 TB	10 TB	10 TB	10 TB	10 TB	10 TB
RAID (0, 1, 5, 6, 10)	---	---	---	---	--	✔	✔
Power over Coax Option	---	✔	✔	---	---	---	---
Point of Sale Interface	---	---	---	---	✔	✔	✔

TurboHD Plug and Play DVRs offer several models scalable for small to mid-sized businesses with 4- to 32-channels. All TurboHD DVRs are Tribrid—a true revolution in the professional surveillance market—supporting traditional analog (CVBS), HD-TVI, and IP cameras. Thanks to autosensing technology, installation is extremely easy.

TurboHD™ Tribrid DVR
DS-7216HUI-K2

TurboHD™ Digital Video Recorders

FEATURES

- High performance, fully-loaded project Pro DVRs have extra capacity and RAID for larger project application, up to 12 MP IPC connectivity and support Point of Sale (POS) interface.
- Tribrid DVRs include H.265+ video compression, reducing storage requirements.
- On-Screen-Display (OSD) menu available up-the-coax (UTC) for managing camera settings.

- Value Series DVRs are our most popular DVRs and offer budget-priced enhanced performance models, up to 8 MP IPC connectivity and Power over Coax models (PoC).
- Value Express includes DVRs outfitted for 4- and 8-camera systems as kits, and are flexible enough to accommodate your record-keeping needs.

TRIBRID DIGITAL VIDEO RECORDERS

	TURBOHD™ 4.0 TRIBRID DVR - PRO SERIES			TURBOHD™ 4.0 TRIBRID DVR - VALUE SERIES
Model	DS-9008HUI-K8 DS-9016HUI-K8 DS-9032HUI-K8	DS-7308HUI-K4 DS-7316HUI-K4 DS-7332HUI-K4	DS-7308HQI-K4 DS-7316HQI-K4 DS-7332HQI-K4	DS-7204HTI-K1 DS-7208HTI-K2
Max. Recording Resolution	8 MP	5 MP	2 MP	8 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
HDMI/VGA Output	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/192x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes
Analog Input	8-Ch/16-Ch/32-Ch 1.0 Vp-p 75 Ω	**8-Ch:** 8-Ch 1.0 Vp-p 75 Ω **16-Ch:** 16-Ch 1.0 Vp-p 75 Ω **32-Ch:** 32-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	4-Ch 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	**8-Ch:** 8/2 **16/32-Ch:**16/2	**8/16-Ch:** 4/2 **32-Ch:** 4/1	**8/16-Ch:** 4/2 **32-Ch:** 4/1	4-Ch/1-Ch
Alarm Input/Output	16/8	16/4	16/4	**4-Ch:** 4/1; **8-Ch:** 8/4
USB 2.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0
RAID Support	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	---	---
Internal SATA	8 (up to 10 TB each)	4 (up to 10 TB each)	4 (up to 10 TB each)	**4-Ch:** 1 (up to 10 TB each) **8-Ch:** 2 (up to 10 TB each)
Max Internal Storage	80 TB	40 TB	40 TB	**4-Ch:** 10 TB; **8-Ch:** 20 TB
Support DVD-RW	Yes, replaces 4x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA	---
Max. fps	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 15	720p, 30 1080p, 30 3 MP, 18 4 MP, 30 5 MP, 20 8 MP, 12
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Hikvision IP Camera Support	**8-Ch:** 10-Ch up to 12 MP (Up to 18-Ch) **16-Ch:** 18-Ch up to 12 MP (Up to 34-Ch) **32-ch:** 32-ch up to 12MP (Up to 64-ch)	**8-Ch:** 8-Ch up to 8 MP (Up to 16-Ch) **16-Ch:** 16-Ch up to 8 MP (Up to 32-Ch) **32-Ch:** 16-Ch up to 8 MP (Up to 48-Ch)	**8-Ch:** 4-Ch up to 6 MP (Up to 12-Ch) **16-Ch:** 8-Ch up to 6 MP (Up to 24-Ch) **32-Ch:** 16-Ch up to 6 MP (Up to 48-Ch)	**4-Ch:** 4-Ch up to 8 MP (up to 8-Ch) **8-Ch:** 8-Ch up to 8 MP (up to 16-Ch)
Front Panel Control	Yes	Yes	Yes	No
Turbo-channel VCA (Video Content Analysis)	All channels	All channels	2-ch	All channels
Max Incoming/Outgoing Bandwidth (Mbps)	**8-Ch:** 260 **16/32-Ch:** 320/256	**8/16-Ch:** 200 **32-Ch:** 260	**8/16-Ch:** 120 **32-Ch:** 160	**4-Ch:** 96 **8-Ch:** 128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	2	1.5	1.5	**4-Ch:** Standalone 1U; **8-Ch:** 1
Power Requirements	**8-Ch:** 100 to 240V AC, ≤45 W without HDD **16/32-Ch:** 100 to 240V AC, ≤65 W without HDD	**8-Ch:** 100 to 240V AC, ≤45 W without HDD **16-Ch:** 100 to 240V AC, ≤65 W without HDD **32-Ch:** 100 to 240V AC, ≤74W without HDD	**8-Ch:** 100 to 240V AC, ≤40 W without HDD **16-Ch:** 100 to 240V AC, ≤55 W without HDD **32-Ch:** 100 to 240V AC, ≤45 W without HDD	12V DC, ≤15 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.

TRIBRID DIGITAL VIDEO RECORDERS

Model	DS-7204HUI-K1/P DS-7208HUI-K2/P DS-7216HUI-K2/P	DS-7204HQI-K1/P DS-7208HQI-K2/P DS-7216HQI-K2/P	DS-7204HUI-K1 DS-7208HUI-K2 DS-7216HUI-K2	DS-7204HQI-K1 DS-7208HQI-K2 DS-7216HQI-K2
Max. Recording Resolution	5 MP	2 MP	5 MP	2 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
HDMI/VGA Output	**4-Ch:** 2560×1440/1920×1080 sychronous **8-Ch:** 3480×2160/1920×1080 sychronous **16-Ch:** 3480×2160/1920×1080 sychronous	**4/8-Ch:** 1920×1080 **16-Ch:** 3480×2160/1920×1080 sychronous	**4-Ch:** 2560×1440/1920×1080 sychronous **8-Ch:** 3480×2160/1920×1080 sychronous **16-Ch:** 3480×2160/1920×1080 sychronous	**4/8-Ch:** 1920×1080 **16-Ch:** 3480×2160/1920×1080 sychronous
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes
Analog Input	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	4-Ch/1-Ch	1/1	4-Ch/1-Ch	1/1
Alarm Input/Output	4ch/16ch: 4/1 8ch: 8/4	---	**4-Ch:** 4/1 **8-Ch:** 8/4 **16-Ch:** 16/4	---
USB 2.0	**4-Ch:** 2x USB 2.0 **8/16-Ch:** Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0	**4/8-Ch:** 2x USB 2.0 **16-Ch:** Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0	**4-Ch:** 2x USB 2.0 **8/16-Ch:** Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0	**4/8-Ch:** 2x USB 2.0 **16-Ch:** Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0
RAID Support	---	---	---	---
Internal SATA	**4-Ch:** 1 (up to 10 TB each) **8/16-Ch:** 2 (up to 10 TB each)	**4-Ch:** 1 (up to 10 TB each) **8/16-Ch:** 2 (up to 10 TB each)	**4-Ch:** 1 (up to 10 TB each) **8/16-Ch:** 2 (up to 10 TB each)	**4-Ch:** 1 (up to 10 TB each) **8/16-Ch:** 2 (up to 10 TB each)
Max Internal Storage	**4-Ch:** 10 TB; **8/16-Ch:** 20 TB	**4-Ch:** 10 TB; **8/16-Ch:** 20 TB	**4-Ch:** 10 TB; **8/16-Ch:** 20 TB	**4-Ch:** 10 TB; **8/16-Ch:** 20 TB
Support DVD-RW	---	---	---	---
Max. fps	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p,15	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p,15
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Hikvision IP Camera Support	**4-Ch:** 4-Ch up to 8 MP (up to 8-Ch) **8-Ch:** 8-Ch up to 8 MP (up to 16-Ch) **16-Ch:** 16-Ch up to 8 MP (up to 32-Ch)	**4-Ch:** 2-ch up to 6 MP(up to 6-Ch) **8-Ch:** 4-Ch up to 6 MP(up to 12-Ch) **16-Ch:** 8-Ch up to 6 MP(up to 24-Ch)	**4-Ch:** 4-ch up to 8 MP (up to 8-Ch) **8-Ch:** 8-ch up to 8 MP (up to 16-Ch) **16-Ch:** 16-ch up to 8 MP (up to 32-Ch)	**4-Ch:** 2-Ch up to 6 MP(up to 6-Ch) **8-Ch:** 4-Ch up to 6 MP(up to 12-Ch) **16-Ch:** 8-Ch up to 6 MP(up to 24-Ch)
Front Panel Control	No	No	No	No
Turbo-channel VCA (Video Content Analysis)	All channels	2-ch	All channels	2-Ch
Max Incoming/Outgoing Bandwidth (Mbps)	**4-Ch:** 96 **8/16-Ch:** 128	**4-Ch:** 72 **8-Ch:** 96 **16-Ch:** 128	**4-Ch:** 96 **8/16-Ch:** 128	**4-Ch:** 72 **8-Ch:** 96 **16-Ch:** 128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	**4-Ch:** Standalone 1U; **8/16-Ch:** 1	**4-Ch:** Standalone 1U; **8/16-Ch:** 1	**4-Ch:** Standalone 1U; **8/16-Ch:** 1	**4-Ch:** Standalone 1U; **8/16-Ch:** 1
Power Requirements	**4-Ch:** 48V DC, ≤40 W without HDD **8-Ch:** 48V DC, ≤60 W without HDD **16-Ch:** 48V DC, ≤140 W without HDD	**4-Ch:** 48V DC, ≤40 W without HDD **8-Ch:** 48V DC, ≤60 W without HDD **16-Ch:** 48V DC, ≤120 W without HDD	**4-Ch:** 12V DC, ≤10 W without HDD **8-Ch:** 12V DC, ≤20 W without HDD **16-Ch:** 12V DC, ≤25 W without HDD	**4-Ch:** 12V DC, ≤6 W without HDD **8-Ch:** 12V DC, ≤7.5 W without HDD **16-Ch:** 12V DC, ≤25 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.

DIGITAL VIDEO RECORDERS - VALUE EXPRESS SERIES

	DVR		
Model			
	ERT-F2041 (1 TB) **ERT-F2042** (2 TB)	**ERT-F2082** (2 TB) **ERT-F2084** (4 TB)	**ERT-F2162** (2 TB) **ERT-F2164** (4 TB)
Max. Recording Resolution	2 MP	2 MP	2 MP
Video Compression	H.264+/H.264	H.264+/H.264	H.264+/H.264
HDMI/VGA Output	1920x1080	1920x1080	3840x2160, 2560x1440, 1920x1080/2560x1440, 1920x1080
Analog Input	4-Ch, 1.0 Vp-p, 75 Ω	8-Ch, 1.0 Vp-p, 75 Ω	16-Ch, 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	1-ch/1-ch	1-ch/1-ch	1-ch/1-ch
USB 2.0	2x USB 2.0	2x USB 2.0	2x USB 2.0
Internal SATA	Preloaded HDD configurations	Preloaded HDD configurations	Preloaded HDD configurations
Max Internal Storage	1 and 2 TB models	2 and 4 TB models	2 and 4 TB models
Max. fps	720p, 30 1080p, 12	720p, 30 1080p, 12	720p, 30 1080p, 12
Max. Analog (CVBS) Resolution	960H	960H	960H
Hikvision IP Camera Support	1-ch up to 1080p	2-ch up to 1080p	2-ch up to 1080p
OSD Menu–Up-the-Coax	Yes	Yes	Yes
Smart Play	Yes	Yes	Yes
Max Incoming/Outgoing Bandwidth (Mbps)	60	96	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	1	1	1
Power Requirements	12V DC, 8 W	12V DC, 12 W	12V DC, 20 W

TurboHD™ ACCESSORY

	TURBOHD™ LOOPING PANEL
Model	
	DS-1TLP16I
Video in	16-ch, BNC connector
Signal format	CVBS, HDTVI and AHD
Video out	16-ch, BNC connector
Loop out	16-ch, BNC connector
Signal format	CVBS, HDTVI and AHD
Transmission distance	CVBS, 720p: Up to 500 m (input and output cable combined) 1080p: Up to 300 m (input and output cable combined)
Power supply	1x 12V DC (2-pin connector)/1x USB
Power consumption	≤3.6 W
Operating temperature	-10º C to 55º C (14º F to 131º F)
Operating humidity	10% to 90%
Dimensions (WxDxH)	315 x 100 x 52 mm (12.4 x 3.9 x 2.0")
Weight	≤1.5 kg (3.3 lbs)

	OUTDOOR TURRET	OUTDOOR DOME		8-CH DVR	
Model			**Model**		
	DS-2CE56D0T-IR	DS-2CE56D7T-VPIT		DS-7108HQHI-F1/NB	
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0, AGC on, B/W: 0 with IR	Color: 0.034 @ ƒ/2.0, AGC on, B/W: 0 with IR	**Max. Recording Resolution**	2 MP	
HD-TVI Resolution	1080p	1080p	**Video Compression**	H.264	
Lens	Fixed 2.8 mm @ ƒ/2.0	Fixed 2.8 mm @ ƒ/2.0	**HDMI/VGA Output**	1920x1080/60Hz, 1280x1024/60 Hz, 1280x720/60Hz, 1024x768/60Hz	
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	**Analog Input**	8-Ch 1.0 Vp-p, 75 Ω	
IR Range (meters)	20	20	**Video Standard**	HD-TVI/CVBS (auto-detect)	
OSD Menu	Yes, over UTC	Yes, over UTC	**Two-Way Audio Input**	1-ch, RCA (linear, 1K Ω)	
Ratings	IP66, UL/cUL Listed	IK10, IP66, UL/cUL Listed	**USB 2 MP**	2x USB 2.0	
			Internal SATA	Preloaded HDD configurations	
			Internal Storage	2 TB	
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	**Max. fps 720p/1080p HD-TVI**	12fps with included cameras	
			Hikvision IP Camera Support	2-ch 2 MP	
Power Requirements (max.)	12V DC, 1 W	12V DC, 5 W	**OSD Menu—Up-the-Coax**	Yes	
			Ratings	UL/cUL Listed	
Brackets	PC110T, CBXS	AB110, PC110, CB110, WM110	**Power Requirements**	12V DC, ≤12 W	

TurboHD™ Kits

Hikvision now offers complete recorder and camera kits for single-site applications. Kits contain a recorder and multiple cameras in a single box, suitable for DIY in residential or small business applications. These TurboHD Kits include 4- and 8-channel recorders along with 4 and 6 cameras respectively.

FEATURES

- Includes 1080p cameras with 2.8mm lens.
- Record up to 2 MP resolution analog cameras.
- Up-the-Coax camera menu programming.
- Auto-detect HD-TVI/CVBS inputs.
- Installed 1 or 2 TB HDD included.

T7108Q2TA

Includes six 1080p Outdoor IR Turrets (DS-2CE56D0T-IR) and one 8-channel DVR (DS-7108HQHI-F1/NB)

T7108Q2TB

Includes six 1080p Outdoor IR Domes (DS-2CE56D7T-VPIT) and one 8-channel DVR (DS-7108HQHI-F1/NB)

	MONITOR					
Model					NEW	NEW
	DS-D5019QE-B	DS-D5022QE-B	DS-D5022FC	DS-D5024FC	DS-D5032QE	DS-D5032FL-B
Bezel Material	Plastic	Plastic	Plastic	Plastic	Plastic	Metal
Working Time	24/7	24/7	24/7	24/7	24/7	24/7
Display Type	LED-Backlit TFT LCD	LED-Backlit	LED-Backlit TFT LCD	LED-Backlit	LED Backlight	LED Backlight
Screen Size	18.5"	21.5"	21.5"	23.6"	31.5"	31.5"
Max Resolution	1366x768	1920x1080	1920x1080	1920x1080	1920x1080 @ 60Hz	1920x1080
Brightness	200cd/m² (Typical)	250cd/m² (Typical)	250cd/m² (Typical)	250cd/m² (Typical)	300cd/m²(typical)	400cd/m² (Typical)
Contrast	600:1	1000:1	1000:1	1000:1 (Typical) DCR 30,000,000:1	1400: 1 (Typical)	3000:01:00
Response Time	5 ms	5 ms	5 ms	5 ms	8 ms	10 ms
Color	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M
Viewing Angle	Horizontal 90° Vertical 65°	Horizontal 170° Vertical 160°	Horizontal 170° Vertical 160°	Horizontal 170° Vertical 160°	Horizontal 178° Vertical 178°	Horizontal 178° Vertical 178°
Inputs	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA, 1x BNC, 1x USB	1x HDMI, 1x VGA, 1x BNC	1x HDMI, 1x VGA	1x HDMI, 1x VGA, 1x BNC, 1x USB 2.0
Outputs	---	---	BNC	BNC	---	1x BNC
Audio input/Output	---	---	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack, 1x RCA type	1	1/1
Speaker	---	---	2 W x 2	2 W x 2	5W*2	3W×2
VESA Mount	75 mm x 75 mm	100 mm x 100 mm	100 mm x 100 mm	100 mm x 100 mm	M4, 100 mm x 100 mm	4-M6, 200 mm x 200 mm
Dimensions (WxHxD)	445.58 x 274.99 x 44.6 mm (17.5 x 10.8 x 1.7")	511 x 313 x 170 mm (20.1 x 12.3 x 6.7")	511.4 x 313 x 45.4 mm (20.1 x 12.3 x 1.8")	561 x 339 x 218.5 mm (22.1 x 13.3 x 8.6")	727x474x64 mm(with base)/ 727x424x64 mm	737.4x452.5x70.65 mm
Weight	2.8 kg (6.2 lbs)	3.3 kg (7.3 lbs)	4.6 kg (9 lbs)	5.1 kg (11.2 lbs)	6.763 kg (Gross weight), 5.09 kg (Net weight)	19 kg (Gross weight), 12 kg (Net weight)

	MONITOR		IP PVM MONITOR	MONITOR	NEW	NEW
Model			*Integrated 2 MP Camera			
	DS-D5032FC-A	DS-D5032FL	DS-D5032FL-C	DS-D5043FL-B	DS-D5055UC	DS-D5055UL-B
Bezel Material	Plastic	Metal	Metal	Metal	Plastic	Metal
Working Time	24/7	24/7	24/7	24/7	24/7	24/7
Display Type	TFT-LED Backlight	LED-Backlit TFT LCD	LED Backlight	LED Backlight	D-LED	LCD Backlight
Screen Size	31.5"	32"	31.5"	42.5"	54.6"	55"
Max Resolution	1920x1080	1920x1080	1920x1080	1920×1080	3840 * 2160	3840x2160
Brightness	300cd/m²	400cd/m² (Typical)	400cd/m²	400cd/m² (Typical)	400cd/m² (Typical)	500cd/m²
Contrast	1000:1	3000:1	3000:1	3000:01:00	1200:01:00	1100:1
Response Time	8 ms	6.5 ms	6.5 ms	8 ms	8 ms	8 ms
Color	16.7 M	16.7 M	16.7 M	16.7M	1.07billion	16.7 M
Viewing Angle	Horizontal 178°, Vertical 178°	Horizontal 178° Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°
Inputs	1x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x USB	1x HDMI, VGA, DVI, BNC, USB	1x HDMI, 1x VGA, 1x LAN, 1x USB 2.0	1xHDMI,1x VGA, 1xBNC, 1xDVI	2x HDMI 2.0, 1x VGA, 1x USB3.0, 1x USB2.0, 1x RS232, 1x LAN	2x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x CVBS
Outputs	1x BNC	---	---	1xBNC	- --	1x CVBS
Audio input/Output	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack	1/1	1	1
Speaker	2 W x 2,6Ω	3 W x 2	---	3W×2	8W*2	2, 8Ω, 5 W
VESA Mount	100x100 mm	200x200 mm	200x200 mm	4-M6 200x200 mm	400x200 mm/400x400 mm	100x100 mm
Dimensions (WxHxD)	728.8 x 526 x 167.2 mm (28.7 x 20.7 x 6.6")	737.4 x 452.5 x 70.65 mm (29 x 17.8 x 2.78")	737.4 x 508 x 74.9 mm (29 x 20 x 2.9")	737.4x452.5x70.65mm	1239.2x711.6x61.7 mm	1262x724x55 mm
Weight	5.75 kg (12.7 lbs)	19 kg (42 lbs)	18 kg (39.7 lbs)	19 kg (Gross weight), 12 kg (Net weight)	20.7 kg (Gross weight), 16 kg (Net weight)	≤35 kg (77 lbs)

	UNMANAGED ETHERNET SWITCH	UNMANAGED ETHERNET POE SWITCH	UNMANAGED GIGABIT ETHERNET POE SWITCH	POE WEB-MANAGED ETHERNET SWITCH	FULL MANAGED ETHERNET POE SWITCH
Model	*Model sizes vary DS-3E0508-E DS-3E0516-E DS-3E0524-E	NEW *Model sizes vary DS-3E0105P-E2 DS-3E0109P-E2 DS-3E0318P-E2 DS-3E0326P-E2	NEW *Model sizes vary DS-3E0505P-E DS-3E0510P-E DS-3E0518P-E DS-3E0526P-E	*Model sizes vary DS-3E1310P-E DS-3E1318P-E DS-3E1326P-E	*Model sizes vary DS-3E2310P DS-3E2318P DS-3E2326P
Type	Unmanaged	Unmanaged	Unmanaged	Web-Managed	Full managed
Ports	8/16/24 Gigabit Ethernet Ports, 1/2/2 Port uplink	4/8/16/24 Fast Ethernet PoE Ports, 1 Fast/1 Fast/2 Gig/2 Gigabit combo Ports	4/8/16/24 Gigabit PoE Ports, 1 /1 /1/1 Gigabit RJ45 Ports, -/1/1/1 Gig SFP fiber Optical Port	8/16/24 Fast Ethernet Ports, 2 Gig/2 Gig/2 Gig uplink	8/16/24 100M Base-T Ports+2 Gigabit Combo Ports
Forwarding	Ethernet: 14881 pps one port Fast Ethernet: 148810 pps one port Gigabit Ethernet: 1488100 pps one port	0.744/1.339/5.356/6.547 Mpps	7.44/14.88/26.784/38.688 Mpps	1.34/5.36/6.55 Mbps	5.6M/8.4/9.6Mpps
Backplane	16/32/48 Gbps	1/1.8/7.2/8.8 Gbps	10/20/36/52 Gbps	5.4/7.2/8.8 Gbps	10/21.2/22.8 Gbps
PoE Budget	---	60/115/230/370 W	60/110/230/370 W	123/230/370 W	125/300/380 W
Standards	Compliant with IEEE802.3, IEEE802.3u, IEEE802.3X, IEEE802.3ab Ethernet standards	IEEE802.3, IEEE802.3u, IEEE802.3x	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z	Web-managed (Web-managed: VLAN, Port Mirroring, SNMP), Plug-and-play installation, IEEE802.3x full duplex, Optional 250m extended transmission mode	Full Managed, IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP, Port-based VLAN, 802.1Q tag VLAN, GVRP dynamic VLAN configuration. IGMP snooping, Static/LACP link aggregation EAPS and ERPS IEEE 802.1x port-based user authentication Port Security
Power Requirements (max.)	100-240 V AC, 50/60 Hz, 0.3 A 100-240 V AC, 50/60 Hz 100-240 V AC, 50/60 Hz	48V DC, 1.35A 48V DC, 2.5A 100-240V AC,50/60Hz 4 A Max 100-240V AC, 50/60Hz 6.5 A Max	48V DC, 1.35A 48V DC, 2.5A 100-240V AC,50/60Hz, 4 A Max 100-240V AC,50/60Hz, 6.5 A Max	AC: 100-240V 50/60Hz (≤150 W), AC: 100-240V 50/60Hz (≤250 W), AC: 100-240V 50/60Hz (≤440W)	AC: 100V-240V, 50Hz±10% (<15 W), AC: 100V-240V, 50Hz±10% (<15 W), AC: 100V-240V, 50Hz±10% (<15 W)

DECODERS

Model				
	DS-6901UDI	**DS-6904UDI**	**DS-6908UDI**	**DS-6916UDI**
Video Input	16 IP Channels	32 IP Channels, DVI, VGA	64 IP Channels, DVI, VGA	128 IP Channels, DVI, VGA
Video Output	1 HDMI (4K), 1 VGA (1080p), 1 BNC	4 HDMI (4K ×2, 1080p ×2), 2 BNC via DB15 adapter	8 HDMI (4K ×4, 1080p ×4), 4 BNC via DB15 adapter	16 HDMI (4K ×8, 1080p ×8), 8 BNC via 2 DB15 adapters
Output Split Screen	1/4/6/8/9/12/16, Roaming	1/4/6/8/9/12/16/25, Roaming	1/4/6/8/9/12/16/25/36, Roaming	1/4/6/8/9/12/16/25/36, Roaming
Decoding Capability	12 MP @ 20 fps: 2-ch 8 MP @ 30 fps: 4-ch 6 MP @ 30 fps: 5-ch 4 MP @ 30 fps: 8-ch 2 MP @ 30 fps: 16-ch	12 MP @ 20 fps: 4-ch 8 MP @ 30 fps: 8-ch 6 MP @ 30 fps: 10-ch 4 MP @ 30 fps: 16-ch 2 MP @ 30 fps: 32-ch	12 MP @ 20 fps: 8-ch 8 MP @ 30 fps: 16-ch 6 MP @ 30 fps: 21-ch 4 MP @ 30 fps: 32-ch 2 MP @ 30 fps: 64-ch	12 MP @ 20 fps: 16-ch 8 MP @ 30 fps: 32-ch 6 MP @ 30 fps: 42-ch 4 MP @ 30 fps: 64-ch 2 MP @ 30 fps: 128-ch
Network Interface	1 Gbps Ethernet ×1	Management Ethernet ×2 1 Gbps Ethernet ×2 100 Mbps Ethernet ×16	Management Ethernet ×2 1 Gbps Ethernet ×2 100 Mbps Ethernet ×16	Management Ethernet ×2 1 Gbps Ethernet ×2 100 Mbps Ethernet ×16
Two-Way Audio I/O	1/1 (3.5 mm audio plugs)	1/1 (3.5 mm audio plugs)	1/1 (3.5 mm audio plugs)	1/1 (3.5 mm audio plugs)
Audio Output	1 RCA	4 BNC via DB15 adapter	8 BNC via DB15 adapter	16 BNC via 2 DB15 adapter
Alarm Input/Output	8/8	8/8	8/8	8/8
RS-232	Yes	Yes	Yes	Yes
RS-485	Yes	Yes	Yes	Yes
Ratings	FCC Listed	FCC Listed	FCC Listed	FCC Listed
Power Requirements	12 VDC ≤15 W	100 to 240V AC ≤70 W	100 to 240V AC ≤70 W	100 to 240V AC ≤108 W

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details. Command Protocols: Hikvision and Pelco D/P protocols

Hikvision's new IP Video Intercom line is a simple yet complete solution for customers in need of two-way audio and entranceway video verification. A full system consists of a video door station such as the DS-KD8003-IME1/Surface, and an indoor station such as the DS-KH8350-WTE1, each powered by standard PoE. The user conveniently answers the door at the indoor station, and can unlock the door with a simple push of a virtual button on their touchscreen. The system is also fully integrated with the Hik-Connect app to provide the user with full access to their door virtually anywhere, anytime. Combining convenience and versatility, the Hikvision IP Video Intercom system propels a company's interactive video security one step further.

Modular IP Video Intercom Kit Indoor Station
DS-KH8350-WTE1

IP Video Intercom Solutions

FEATURES

- Fully integrated with the Hik-Connect cloud platform and phone app, an indoor station can ring its owner's phone when a visitor is at the door, then let the owner decide to open the door using a simple tap on their smartphone or tablet.
- Multiple door stations can be programmed to be answered by multiple indoor stations.
- An Intercom Two-Wire Bundle (DS-KIS701) combines an outdoor Door Station, an indoor Door Station and Power/Data Distributor.

- IR LED located near the camera lens ensures the camera can capture a visitor's image even in poorly-lit areas.
- All door and indoor stations are managed via TCP/IP category cables, making both physical connections and software management easy to perform.

Model	RUGGED DOOR STATION	EXPANDABLE DOOR STATION		INDOOR STATION
		NEW	NEW	NEW
	DS-KB8112-IM	DS-KD8003-IME1/Surface	DS-KD8003-IME1/Flush	DS-KH8350-WTE1
Mobile Calling	Calls Hik-Connect app independently and also works with an indoor station.	Hik-Connect mobile app via indoor station.		Relays door station call to Hik-Connect mobile app.
Camera	1.3 MP, 80°×44° FOV, 15 ft IR	2 MP, 180°×96° FOV, 10 ft IR, WDR		---
Video Compression	H.264	H.264		H.264
Call Buttons	1	1 with Name Tag		7 in IPS LCD, 1024×600
Keypad	---	---		Microphone/Speaker
Internal Card Reader	---	---		1 for iVMS-4200 Center
Lock Relay	1 (12V, 1 A max.)	2 (30 V, 1 A max. each)		---
Max. Extensions	8 Door Station Extensions	8 Door Station Extensions		5 Indoor Extensions
Network Protocol	10/100 Mbps TCP/IP, RTSP, RTP, ISAPI, NTP, HTTP, HTTPS, DHCP, FTP, SMTP	10/100 Mbps TCP/IP, RTSP		10/100 Mbps TCP/IP, RTSP
Network Interface	RJ45	RJ45		RJ45, Wi-Fi (802.11b/g/n)
Module I/O	---	1		Supports SDHC 32 GB Max.
Tamper Alarm	---	Yes		---
Sensor/Alarm Inputs	1	4		8
Power Requirements (max.)	12V DC, PoE (802.3af), ≤12 W	12V DC, PoE (802.3af), ≤10 W		12V DC, PoE (802.3af), ≤7 W
Working Temperature	-30° C to 50° C (-22° F to 122° F)	-40° C to 60° C (-40° F to 140 °F)		-10° C to 55° C (14° F to 131° F)
Ratings	UL60950, IK9, IP66	UL60950, IP65		UL 60950
Dimension (H×W×D)	162 x 74.1 x 53.2 mm (6.37 x 2.92 x 2.09 in)	98 x 100 x 43.9 mm (3.86 x 3.94 x 1.73 in)	98 x 100 x 43.9 mm (3.86 x 3.94 x 1.73 in)	140 x 180 x 22.4 mm (5.51 x 7.09 x 0.88 in)

Modular IP Video Intercom Kit

DS-KIS602 NEW

Models Included:
- DS-KD8003-IME1/Surface
- DS-KH6320-WTE1
- DS-3E0105P-E/M

Accessories Included
- 16GB Micro SD Card
- Indoor Station Mounting Plate
- 48 VDC AC Adapter for PoE Switch

FEATURES

- Guests call from the video door station with a single button.
- Host receives calls and can unlock door from indoor station and Hik-Connect mobile app.
- Make room-to-room audio calls between indoor stations.
- Indoor Station records messages on the included micro SD card
- Indoor station monitors door station(s) and up to 16 cameras.
- Easy operation with UI 2.0
- All devices use standard PoE

	DOOR STATION MAIN MODULE	NAME TAG MODULE	CARD READER MODULE	KEYPAD MODULE	SURFACE MOUNT BRACKETS		FLUSH MOUNT BRACKETS	
Model	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
	DS-KD8003-IME1	DS-KD-KK	DS-KD-M	DS-KD-KP	DS-KD-ACW2	DS-KD-ACW3	DS-KD-ACF2	DS-KD-ACF3
How to Build Your Intercom	Step 1 This module is required.	Step 2 Select up to 8 of these modules. Multiple card readers and keypads are not needed.			Step 3 Select surface or flush mount brackets to house the number of modules you selected. Multiple brackets can be mounted adjacently.			
Camera	2 MP, 180°×96° FOV, 10 ft IR, WDR	---	---	---	---		---	
Video Compression	H.264	---	---	---	---		---	
Call Buttons	1 with Name Tag	6 with Name Tags	---	Dial up to 500 Room Numbers	---		---	
Keypad	---	---	---	Yes (calling and code access)	---		---	
Internal card reader	---	---	Mifare Card Reader	---	---		---	
Lock Relay	2 (30 V, 1 A max. each)	---	---	---	---		---	
Max. Extensions	8 Door Station Extensions	---	---	---	---		---	
Network Protocol	10/100 Mbps TCP/IP, RTSP	---	---	---	---		---	
Network Interface	RJ45	---	---	---	---		---	
Module I/O	1	2	2	2	---		---	
Tamper Alarm	Yes	---	---	---	---		---	
Sensor/Alarm Inputs	4	---	---	---	---		---	
Power Requirements (max.)	12 VDC, PoE (802.3af), ≤10 W	Powered by main module, ≤2 W	Powered by main module, ≤2 W	Powered by main module, ≤2 W	---		---	
Working Temperature	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 55° C (-40° F to 131° F)	-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)	
Ratings	UL60950, IP65	IP65	IP65	IP65, IK7	---		---	
Dimension (H×W×D)	98 x 100 x 43.9 mm (3.86 x 3.94 x 1.73 in)	98.2 x 100 x 33.7 mm (3.87 x 3.94 x 1.33 in)	98.5 x 100 x 33.7 mm (3.88 x 3.94 x 1.33 in)	98.5 x 100 x 34.2 mm (3.88 x 3.94 x 1.35 in)	**-ACW2:** 219 x 107 x 32.7 mm (8.62 x 4.21 x 1.29 in) **-ACW3:** 321 x 107 x 32.7 mm (12.6 x 4.21 x 1.29 in)		**-ACF2:** 237 x 134 x 56 mm (9.33 x 5.27 x 2.20 in) **-ACF3:** 238.8 x 134 x 56 mm (13.33 x 5.27 x 2.20 in)	

Model	TWO-WIRE DOOR STATION	TWO-WIRE INDOOR STATION	TWO-WIRE POWER & DATA DISTRIBUTOR
	DS-KV8103-IME2	DS-KH8340-TCE2	DS-KAD709
Mobile Calling	Calls Hik-Connect app via distributor	---	Relays door station call to Hik-Connect mobile app
Camera	2 MP, 155° FOV, 10 ft IR, True WDR	---	---
Video Compression	H.264	H.264	---
Monitor	---	7 in TFT LCD, 1024×600	---
Audio	Microphone/Speaker	Microphone/Speaker	---
Call Buttons	1 with Name Tag	1 for iVMS-4200 Center	---
Relay Output	1	1	---
Max. Extensions	1 Door Station Extension	4 Indoor Station Extensions	7
Network Protocol	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP
Network Interface	Two-Wire ×1	Two-Wire ×1	RJ45 ×1 Two-Wire ×9
Micro SD Card Slot	---	Supports SDHC 32 GB Max.	---
Tamper Alarm	Yes	---	---
Sensor/Alarm Inputs	2	8	---
Power Requirements (max.)	Powered by DS-KAD709 (24V DC), ≤12 W	Powered by DS-KAD709 (24V DC), ≤10 W	24V DC, ≤4 W, Includes 24V DC 2.5 A AC Adapter
Working Temperature	-30° C to 60° C (-22° F to 140° F)	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)
Ratings	UL60950, IP65	UL 60950	UL 60950
Dimension (H×W×D)	163 x 104 x 44 mm (6.42 x 4.09 x 1.73 in)	133 x 196 x 25.8 mm (5.24 x 7.72 x 1.01 in)	112 x 111 x 66 mm (4.42 x 4.37 x 2.60 in)

Two-Wire IP Video Intercom Kit

DS-KIS701

Models Included:	Accessories Included
• DS-KV8103-IME2 • DS-KH8340-TCE2 • DS-KAD709	• 24V DC AC Adapter • Indoor Station Mounting Plate • Door Station Flush/Surface Mount

FEATURES

- Receive calls and unlock door from Hik-Connect mobile app.
- Make room-to-room video calls between indoor stations.
- Indoor station monitors door station(s) and up to 16 cameras.
- Easy plug and play swap out from old two-wire devices.

Hikvision access control solutions offer a complete lineup of devices from multi-door control panels and card readers to standalone, fingerprint, video, time and attendance, and facial recognition terminals. These products are compatible with Hikvision's updated and free iVMS-4200 Client Software version 3.x. Access control solutions integrate into existing Hikvision video surveillance systems, delivering a versatile, full-service security system.

With Hikvision's established presence in video surveillance, our access control solutions easily integrate with our NVRs and DVRs, combining entry/exit management with visual records. Our latest innovative facial recognition terminals improve access throughput and accuracy.

Face Recognition Terminal
DS-K1T606M

Access Control Solutions

FEATURES

- Bundled with iVMS-4200 software to manage users, permissions and rules for the system.
- Supports Wiegand protocol readers and RS485 protocol which enables simpler wiring and longer transmission distances.
- An Access Control Kit (DS-KIT2DRACP) combines a controller, two readers, and a set of proximity cards for a system that is easy to purchase and install.

- Multiple authentication methods are available including card authentication, keypad passcode, fingerprint and facial recognition authentication. The user has the ability to request two different types of authentication methods to ensure maximum security.
- Advanced anti-pass back and multi-door interlocking features give the user a truly exceptional security environment.

ACCESS CONTROL

	STANDALONE TERMINAL	FINGERPRINT TERMINAL	VIDEO TERMINAL		TIME ATTENDANCE TERMINAL	FACIAL RECOGNITION TERMINAL		FACIAL RECOGNITION UNIT
Model	DS-K1T105M (without camera) DS-K1T105M-C (with camera)	DS-K1T201MF (without camera) DS-K1T201MF-C (with camera)	DS-K1T500S	DS-K1T501SF	DS-K1T804MF	DS-K1T606M	DS-K1T606MF	DS-K5603-Z
Card Reader	13.56 MHz Mifare	13.56 MHz Mifare	13.56 MHz Mifare		13.56 MHz Mifare	13.56 MHz Mifare		---
Card Number Capacity	100,000	100,000	50,000		3,000	50,000		50,000
Max Event Capacity	300,000	300,000	200,000		100,000	100,000		50,000
Biometrics	---	Face Detection, Fingerprint	DS-K1T500S: N/A DS-K1T501SF: Fingerprint		Fingerprint	DS-K1T606M: Facial Recognition DS-K1T606MF: Facial Recognition, Fingerprint		Facial Recognition
Photo Capacity	---	---	---		---	3,000		10,000
Fingerprint Capacity	---	9500	---		3,000	DS-K1T606M: --- DS-K1T606MF: 5000		---
Camera	DS-K1T105M: --- DS-K1T105M-C: 2 MP for Face Detection Only	DS-K1T201MF: --- DS-K1T201MF-C: 2 MP for Face Detection Only	2 MP for Intercom & Recording		---	2 MP for Facial Recognition Only		2 MP for Facial Recognition Only
Support SD Card	Max.32 GB	Max.32 GB	Max. 128 GB		---	---		---
Input Interface	1x Exit Button, 1x Door Sensor, 2x Alarm	1x Exit Button, 1x Door Sensor, 2x Alarm	1x Door Magnetic Sensor, 2x Alarm Input, 1x Tamper Alarm, 1x Exit Button		1x Exit Button, 1x Door Sensor, 1x Alarm Input	1x Exit Button, 1x Door Sensor, 1x Alarm Input		1x Exit Button, 1x Door Sensor, 1x Alarm Input
Output Interface	1x Lock Relay, 1x Chime Relay	1x Lock Relay, 1x Chime Relay	1x Lock Relay, 1x Chime Relay		1x Lock Relay, 1x Chime Relay, 1x Alarm Output	1x Lock Relay, 1x Chime Relay, 1x Alarm Output		1x Lock Relay, 1x Chime Relay, 1x Alarm Output
Network Connectivity	RJ45, Wi-Fi	RJ45, Wi-Fi	RJ45, Wi-Fi		RJ45, Wi-Fi	RJ45, Wi-Fi		RJ45, Wi-Fi
Comm. Interface, Uplink	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)		Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34 (Card Reader Mode)		RS-485
Comm. Interface, Downlink	Wiegand26/34, RS-485	Wiegand26/34, RS-485	RS-485		Wiegand26/34, RS-485	Wiegand26/34, RS-485		---
Display Screen	2.8 in 320×240 LCD	2.8 in 320×240 TFT LCD	-		2.4 in 320×240 TFT LCD	5 in LCD Touch Screen		10.1 in LCD Touch Screen
Local Input	Keypad	Keypad	---		Keypad	Touchscreen		Touchscreen
Audio	Speaker for voice prompt	Speaker for voice prompt	Two-Way Audio		Speaker for voice prompt	Speaker for voice prompt		Speaker for voice prompt
Ratings	UL 60950	UL 60950	UL 60950, IP65		UL 60950, IP42	UL 60950, IP65		UL 60950, IP55
Tampering/Duress Alarm	Yes	Yes	No		Yes	Yes		Yes
Working Temperature	-20° C to 65° C (-4° F to 149° F)	-20° C to 65° C (-4° F to 149° F)	-40° C to 60°C (-40° F to 140° F)		-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)		-20° C to 60° C (-4° F to 140° F)
Power Requirements (max.)	12V DC	12V DC	12V DC, 1 A		12V DC	12V DC, 2 A (Centralized Power Supply)		12V DC, 3 A (Without Adapter; Centralized Power Supply), 25 W
Accessories	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit		DS-K2M060: Securing Unit	DS-K2M060: Securing Unit		DS-KAB5603: 1 m tall standing pedestal

ACCESS CONTROL

	MIFARE CARD READER						FINGERPRINT CARD READER	PROXIMITY CARD READER	
Model	DS-K1102M	DS-K1102MK	DS-K1104M	DS-K1104MK	DS-K1107M	DS-K1107MK	DS-K1201MF	DS-K182HP	DS-K170HPK
Card Type	13.56 MHz Mifare		13.56 MHz Mifare		13.56 MHz Mifare		13.56 MHz Mifare	125 KHz Prox	125 KHz Prox
Comm. Interface	Wiegand26/34, RS-485		Wiegand26/34, RS-485		Wiegand26/34, RS-485		RS-485	Wiegand 26	Wiegand 26
Biometrics	---		---		---		Fingerprint	---	---
Fingerprint Capacity	---		---		---		5000	---	---
RS-485 ID Settings	DIP Switch		DIP Switch		DIP Switch		DIP Switch	---	---
Keypad	**DS-K1102M:** --- **DS-K1102MK:** Yes		**DS-K1104M:** --- **DS-K1104MK:** Yes		**DS-K1107M:** --- **DS-K1107MK:** Yes		---	---	Yes
Working Temperature	-20° C to 65° C (-4° F to 149° F)		-20° C to 65° C (-4° F to 149° F)		-20° C to 65° C (-4° F to 149° F)		-40° C to 70° C (-40° F to 158° F)	−40° C to 65° C (−40° F to 149° F)	−40° C to 65° C (−40° F to 149° F)
Protection Level	UL 60960, IP64		UL 60960, IP65, IK10		UL 60950, IP65		UL 60960, IP65	UL 294 ETL Listed, IP67	UL 294 ETL Listed, IP67
Installation	Single Gang Box		Single Gang Box		Mullion		Single Gang Box	Mullion	Mullion
Power Supply	12V DC		12V DC		12V DC		12V DC ±10%	5 to 16V DC	5 to 16V DC

	CARD ENROLLMENT	FINGERPRINT ENROLLMENT
Model		
	DS-K1F100-D8E	**DS-K1F820-F**
Card Reading Frequency	13.56MHz and 125KHz	---
Supported Card Formats	Mifare And EM	---
Interface	USB 2.0	USB 2.0
Plug and Play	Yes (Windows)	Yes (Windows)
Encryption	Yes	Yes
Power Requirements	USB, 200 mA	USB, 200 mA
Working Temperature	-20° C to 65° C (4° F to 149° F)	-30° C to 70° C (-22° F to 158° F)
Ratings	UL 60950	UL 60950
Dimensions	117 x 67.5 x 14.3 mm (4.61 x 2.66 x 0.56 in)	100 x 48.5 x 35 mm (3.94 x 1.89 x 1.38 in)

TERMINAL SECURING UNIT	
Model	
	DS-K2M060
Function	Use with an access control terminal or video door station to securely route wires for the exit button, lock, door sensor, alarm output and secondary card reader from the inside of the building.
Terminal Communication Interface	RS-485 with Indicator
Input / Output Interface	1x Exit Button, 1x Lock, 1x Door Sensor, 1x Alarm Out and 1x Wiegand
Supported Models	DS-KV8102-IM, DS-KV8202-IM, DS-KV8402-IM, DS-KD3002-VM, DS-K1T105M/M-C, DS-K1T201MF/MF-C, DS-K1T500S, DS-K1T501SF,DS-K1T804MF DS-K1T606M/MF
Power Requirements	12V DC
Working Temperature	-30° C to 55° C (-22° F to 131° F)
Ratings	FCC, CE, UL 60950
Dimensions	115 x 48 x 25 mm (4.53 x 1.89 x 0.98 in)

NETWORK ACCESS CONTROLLER	
Model	
	DS-K2602-G DS-K2604-G
Uplink Communication Interface	TCP/IP Network Interface and RS-485 Interface
Downlink Communication Interface	RS-485 and Wiegand (w26/w34)
Storage Max Cards Number	100,000 (200,000 expandable)
Storage Max Events Number	300,000 (600,000 expandable)
Accessible Card Reader	4/8 Card Readers (RS485 Interface) 4/4 Card Readers (Wiegand Interface)
Input Interface	4/4 Alarm Input 2/4 Door Sensor 2/4 Exit Button 4/8 Case Input 1/1 Tamper Alarm
Output Interface	2/4 Lock Relay 4/4 Alarm Relay
Built-In Power Supply	110-220V AC, 8.5A Max
Panel Power Input Voltage	12V DC
Lock Output	12V DC, 1A Max Each Lock
Working Environment	Indoor
Certifications	CE, FCC, UL 294 ETL Listed

Access Control Kit

DS-KIT2DRACP

Includes one Network Access Controller (DS-K2602-G), two Proximity Card Readers (DS-K182HP), and one Proximity Card Pack of 25 cards (DS-K7M151-P)

Model	MIFARE CARD (25-PACK)	MIFARE KEY FOB (25-PACK)	PROXIMITY CARD (25-PACK)	PROXIMITY KEY FOB (25-PACK)
	ICS50-25	DS-K7M102-M	DS-K7M151-P	DS-K7M153-P
Sensing Frequency	13.56 MHz	13.56 MHz	125 kHz	125 kHz
Card Format	Mifare	Mifare	Prox	Prox
Temperature	-20° C to 75° C (-4° F to 167° F)	-10° C to 50° C (14° F to 122° F)	−37° C to 50° C (−35° F to 122° F)	−37° C to 50° C (−35° F to 122° F)
Dimension	85.5 x 54 x 0.8 mm	26 x 50 x 4 mm	56 x 86 x 1.5 mm	30 x 38 x 3.8 mm

Model	LOCK	
	DS-K4H250D	DS-K4H250S
Maximum Thrust	300 kg (660 lb) ×2	300 kg (660 lb)
Power Requirements	12V DC, 500 mA ×2 24V DC, 250 mA ×2 12 W	12V DC, 500 mA 24V DC, 250 mA 6 W
Signal Output	Dry Contact Signal Output, Support Maximum Power Rate of 3A, NO Output While Locking and NC Output While Unlocking	Dry Contact Signal Output, Support Maximum Power Rate of 3A, NO Output While Locking and NC Output While Unlocking
LED Indicator	Red (Door is Unlocked) Green (Door is Locked)	Red (Door is Unlocked) Green (Door is Locked)
Suitable Door	Wooden Door, Glass Door, Metal Door, Fireproof Door	Wooden Door, Glass Door, Metal Door, Fireproof Door
Working Temperature	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)
Weight	4.2 kg (9.3 lb)	2.1 kg (4.63 lb)
Dimensions	480 x 49 x 25.5 mm (18.9 x 1.93 x 1.00 in)	240 x 49 x 25.5 mm (9.45 x 1.93 x 1.00 in)

ACCESSORIES

	ETHERNET OVER COAX			KEYBOARDS				
Model			**Model**					
	DS-1H05-T	**DS-1H05-R**		**DS-1005KI**	**DS-1006KI**	**DS-1200KI**	**DS-1600KI**	**DS-1100KI**
Input Interface	RJ-45 interface and BNC	BNC	**RS-485**	No	Yes	Yes	No	Yes
Output Interface	BNC	RJ-45 Interface and BNC	**USB**	Yes	Yes	Yes	Yes	Yes
Maximum Bandwidth (Mbps)	36 (downstream)	11 (upstream)	**Interface Port**	USB 2.0	RS-232, RS-422, RS-485, USB 2.0	Network, RS-232, RS-422, RS-485,USB 2.0	Network, Wifi, USB 2.0 2x	Network, RS-232, RS-485, USB 2.0
			Control	Serial	Serial	Serial/Network	Network,Wifi	Network
Distance	Up to 1,500 feet with RG6/U cable	Up to 1,500 feet with RG6/U cable	**Audio**	---	---	---	Yes	1-ch Line In 1-ch Audio Out
			Decoding	---	---	---	Yes	1-ch @ 1080p
Dimensions	80 x 27 x 96 mm	80 x 27 x 96 mm	**LCD Screen**	---	128 x 64 pixel	128 x 64 pixel	10.1"" TFT LCD Touch Screen 1024x600 pixel	7" TFT LCD touch Screen 800x480 pixel
			Joystick	3–Axis	4–Axis	4-Axis	4-Axis	4-Axis
Operating Conditions (max.)	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)	**Resolution**	---	---	---	---	1920x1080
			Network	---	---	10 M/100 Mbps self-adaptive Ethernet interface	10M/100M/1000M Adaptive Ethernet port	10M/100M/1000M Ethernet interface
Power Requirements (max.)	12V DC, PSU included, 5 W (does not power camera)	12V DC, PSU included, 5 W (does not power camera)	**Power Requirements (max.)**	5V DC via USB (≤5 W)	12V DC (≤4.5 W)	12V DC 4.5 W	12V DC, 15 W, PoE	12V DC(≤15 W)

ACCESSORIES

	HDD FOR STORAGE PRODUCTS		DVD-RW	HD-TVI MONITOR	HD-TVI CONVERTER	BALUN
Model						
	HDD-SAS4T	**HDD-SAS6T**	**HIK-DVDRW**	**DS-TT-X41T**	**DS-1H33**	**DS-1H18**
Description	HDD for, DS-A82024D, DS-AJ7824D	HDD for, DS-A82024D, DS-AJ7824D	DVD-RW option for NVR and DVR	Multifunction Video Tester, test a variety of video signals, including TurboHD, HDMI, CVBS, and VGA.	Converter from HD-TVI video signal to HDMI signal	Unshielded twisted pair (UTP) Baluns

	SURVEILLANCE GRADE HARD DRIVES	ENTERPRISE GRADE HARD DRIVES
Model		
Interface	SATA	
Classification	Audio/Video	
Operation	24/7 continuous	
1 TB	HK-HDD1T	HK-HDD1T-E
2 TB	HK-HDD2T	HK-HDD2T-E
4 TB	HK-HDD4T	HK-HDD4T-E
6 TB	HK-HDD6T	HK-HDD6T-E
8 TB	HK-HDD8T	HK-HDD8T-E
10 TB	HK-HDD10T	HK-HDD10T-E

	MICROSD CARD
Model	
	HS-TF-H1I/32G **HS-TF-H1I/64G** **HS-TF-H1I/128G**
Capacity	32/64/128 GB
NAND Flash	MLC
Form Factor	microSDHC/microSDXC
Read Speed	90/90/96 MB/s
Write Speed	46/28/44 MB/s
Operating Temperature	-25° C to 85° C (-13° F to 185° F)
Warranty (Year)	2
Product Highlight	• Read-Write Lock • Life Forewarning • Health Monitoring (With Hikvision Camera)

	MICROPHONE	
Model		
	DS-2FP2020	**DS-2FP4021-B**
Type	HiFi Microphone	Digtital Noise Reduction Microphone
Frequency Response	20Hz~20KHz	100Hz~16KHz
Pickup Range/Direction	70 m2 / 360°	60 m2 / 360°
Signal:Noise	60 dB	75 dB
Dynamic Range	70 dB	85 dB
Ouput Impedance	600 ohm unbalanced	600 ohm unbalanced
Connections	3 wires (Power, Audio Out, GND)	3 wires (Power, Audio Out, GND)
Construction	PVC	Aluminum alloy
Dimensions	Φ78 x 28 mm (3 x 1.1")	Φ64 x 20 mm (2.5 x 0.8")
Power Requirements (max.)	12V DC / 25mA	12V DC / 45mA

ACCESSORIES

PTZ BRACKETS

Model	WMP-S	WMP-L	WMP-MPZ	CMP	PMP	JBPW-L	CMP-JB	PMP-JB	PMPL	CMPL	CPM-S	CPM-L	CPMPE
Description	Short wall mount for 4" PTZ	Wall Mount PTZ-Long	Wall Mount for DS-2DE2AXX series	Corner Mount Adapter WMP-S and WMP-L	Pole Mount Adapter WMP-S and WMP-L	PTZ Junction box with wall bracket	Corner Mount for JBPW-L	Pole Mount for JBPW-L	Pole Mount Large (for JBP-W)	Corner Mount Large (for JBP-W)	Ceiling Pendant Mount-Short	Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter

PTZ brackets are for series DS-2AE5xxx, DS-2AE7xxx, DS-2DE4xxx, DS-2DE5xxx, DS-2DE6xxx, DS-2DE7xxx, DS-2DF5xxx, DS-2DF6xxx, DS-2DF8xxx

PTZ BRACKETS

Model	PMP-V	RPM	JBPW-L-G	CMP-JB-G	PMP-JB-G	CPM-S-G	CPM-L-G	CPMPE-G	PMP-V-G	RPM-G	WBPT-S	WBPT
Description	Vertical Pole Mount for CPM-S/L	Roof Parapet Mount	PTZ Junction box with wall bracket (gray)	Corner Mount for JBPW-L-G (gray)	Pole Mount for JBPW-L-G (gray)	Short Ceiling Pendant Mount (gray)	Long Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter (gray)	Vertical Pole Mount for CPM-S/L (gray)	Roof Parapet Mount (gray)	Wall Mount for DS-2DY9xxx Series Upright PTZs	Wall Mount for DS-2DY5223IW-AE Upright PTZ

*PTZ brackets are for series; DS-2AE5xxx; DS-2AE7xxx; DS-2DE4xxx; DS-2DE5xxx; DS-2DE6xxx; DS-2DE7xxx; DS-2DF5xxx; DS-2DF6xxx; DS-2DF8xxx

STAINLESS STEEL BRACKETS / CAMERA HOUSING / BOX CAMERA BRACKETS

Model	WMP-SS	CPM-SS	WMS-SS	JBM-SS	WB-XC	CHB	CHB-HBW	CHB-HB	WBS	WBL	PP1	PP2
Description	Pendant Wall Mount for DS-2DT6223-AELY	Pendant Ceiling Mount for DS-2DT6223-AELY	Pendant Wall Mount for DS-2CD6626DS-IZHS	Medium Junction Box	Wall Bracket for XC Series SS Dome	Camera Housing with Bracket	CHB-HBW (Camera Housing w/ Bracket, Heater, Blower, Wiper)	CHB-HB (Camera Housing w/ Bracket, Heater, Blower)	Suitable for box camera, wall Mount	Suitable for box camera and housing, wall mount	Pendant Mount extendable (80") - For Box and Fisheye 1/4 20 mount	Pendant Mount 8" - For Box and Fisheye 1/4 20 mount

UNIVERSAL BRACKET FOR PENDANT CAPS / SUN/RAIN SHIELD

Model	CPM	CPME	WMS (white) WMSB (black)	WML	RPM	PM	PM1 **NEW**	CM	CM1 **NEW**	SRS (white) SRSB (black)	SRSM	SRSL
Description	Camera Ceiling Pendant Mount	Camera Ceiling Pendant Mount, Extension Pipe 1" diameter	Short Wall Mount, junction box and Teflon tape included	Long Wall Mount, junction box and Teflon tape included	Roof Parapet Mount	Pole Mount Adapter	Pole Mount Adapter	Corner Mount Adapter	Corner Mount Adapter	Wall mount dome rain and sun protection	Medium -For outdoor dome rain and sun protection	Large -For outdoor dome rain and sun protection

*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

ACCESSORIES

CAMERA BRACKETS

Model	PC110 (white) PC110B (black)	PC110T (white) PC110TB (black)	PC120 (white) PC120B (black)	PC130 (white) PC130B (black)	PC130T (white) PC130TB (black)	PC135 (white) PC135B (black)	PC135H	PC140 (white) PC140B (black)	PC140PT	PC155	PC160	PC165	PC210
Description	110 mm Pendant Cap	110TRS Pendant Cap	120 mm Pendant Cap	130 mm Pendant Cap	130TRL Pendant Cap	135 mm Pendant Cap	135 mm Pendant Cap	140 mm Pendant Cap	140 mm Pendant Cap for DS-2DE3304W-DE	155 mm Pendant Cap	160 mm Pendant Cap	165 mm Pendant Cap	210 mm Pendant Cap for DS-2D6986F-H

Compatible with WMS and WML — Compatible with WML

*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

CAMERA BRACKETS

Model	PC-DE4A	PC-FE	CBXS (white) CBXSB (black)	CBS (white) CBSB (black)	CBM (white) CBMB (black)	CBD-MINI (NEW)	CBT-1	CB110 (white) CB110B (black)	CB-130	CB-130T	CB135	CB140PT
Description	Pendant Cap for DE4A Series PTZs	Pendant Cap for fisheye	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base for DS-2DE3304W-DE

Compatible with WML

*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

CAMERA BRACKETS

Model	CB155 (NEW)	CB165	CB-DE4A	CB-FE	AB110 (white) AB110B (black)	AB135 (white) AB135B (black)	AB165	AB-FE	AB-FE2	AB-FE45	ABS (white) ABSB (black)	ABM
Description	Conduit Base	Conduit Base	Conduit Box for DE4A Series PTZs	Conduit base for Fisheye	15° Angled Base	15° Angled Base	15° Angled Base	15° Angled Base for Fisheye	15° Angled Base for Fisheye	45° Angled Base for Fisheye	15° Angled Base	15° Angled Base

CAMERA BRACKETS

Model	CM6810 (NEW)	RCM-1 (white) RCM-1B (black)	RCM-2 (white) RCM-2B (black)	RCM-3 (white) RCM-3B (black)	RCM-4	RCM-5 (NEW)	RCM-G (NEW)	WM-C	WM110 (white) WM110B (black)	WM6810	GP100
Description	Ceiling mount	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount for DS-2DE3304W-DE	Recessed ceiling mount	Recessed ceiling mount for DS-2CD2725F-ZS	Wall Mount Compact	Plastic Wall Mount	Wall Mount for iDS-2CD6810F/C	Single Gang Plate

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