

Promote content with exceptional clarity in any storefront window

OMN, OMN-D, OMR series

Thoughtful, engaging content in a storefront window has the power to engage customers and ultimately lead them into the store. Samsung's OMN/OMR series displays not only deliver an image with flawless clarity, but also are designed to maintain its superior picture quality even when exposed to direct sunlight – a common challenge for conventional in-window displays. In addition, with a slim and sleek design, the OMN/OMR series is compatible with any window layout and highlights the sophisticated and modern style of the brand. The OMN/OMR series also delivers bright and clear images while consuming a low amount of power, which positions businesses to reduce overall costs and optimize efficiency considerably.

Highlights

- Ultra-high brightness emphasizing content, regardless of the lighting conditions
- Slim and contemporary design that seamlessly integrates into any display window
- Easy content management with a built-in management solution
- Two options one or double-sided screen available to fit the businesses needs

Industry trend

Rich, digital content is the new norm. Static, printed billboards and signs lack the dynamic motion necessary to quickly attract the attention of passersby. As retailers are trying to win the attention of the consumer, it is vital to stand out amongst the competition. That is why a growing trend in the retail industry is the introduction of digital signage into window storefronts. Retail organizations have a very narrow window to impress, so it is critical that a customer's first impression is immediately dazzling. Retailers need digital displays with high visibility and easy-to-manage software to deliver highly impactful content that remains bright and crisp even in the face of direct sunlight – a challenge many stores face.



^{* &}quot;Conventional" refers to Samsung's OMD-W series.

Why Samsung OMN/OMR series?

The Samsung OMN/OMR series was designed with a storefront window display in mind. It projects clear, bright images that attract and engage audiences, increasing the probability of an in-store visit. With a modern configuration, the display as slim design and is compatible with any store widow without isrupting a customer's shopping experience. Included in the OMN/OMR series is an embedded software solution or operational efficiency and content management, ensuring retailers can manage its displays effortlessly.







Award-winning solution





AV Display Innovation of the Year

"Samsung OMN and OMN-D series, its brand new semi-outdoor displays available in 46 and 55-inch, are designed with a storefront window display in mind and capture viewers' minds with comprehensive innovation. Brilliant, vibrant images with superior picture quality, high brightness, and contrast ratio are packed in a slim and neat design..."

Displays: All Weather Displays

"Samsung's OMN Series not only delivers an image with flawless clarity but is also designed to maintain superior picture quality even when exposed to direct sunlight. With slim and sleek design, the OMN series is compatible with any window layout and can complement the style of any brand."

Storefront optimization with OMN/OMR series

The evolution of advertising displays in retailer's windows has dramatically changed over the years, as well as the expectations of the consumers passing by a store. Marketing began with static, printed banners, but quickly moved to digital signage as consumers became more responsive to engaging videos and images. However, early digital signage was not created for outdoor usage or direct sunlight and produced content with low visibility. Retailers then began to incorporate window display, which allowed for better visibility than the alternatives, but they were still not powerful enough to display high-quality content. Although more cost-efficient than the printed materials, the display did not perform as expected. Realizing the need for more innovative window display, Samsung designed the OMN/OMR series. Intended for retailers to deliver the most visually appealing content in any environment, the OMN/OMR series surpasses the traditional signage and engages audiences like never before.

	Print	Standalone*	Conventional window display*	OMN/OMR series
				+ **
Brightness		350-700nit	2,500nit	4,000nit
Polarized sunglasses compatible				✓
Resistant to direct sunlight				✓
Motion visuals				✓
Embedded software				✓
Depth		about 60mm (QM49N)	about 140mm (OM46D-W)	54.5mm (0M46N)
Power consumption		It varies depending on models	385w** (0M46D-W)	350w** (0M46N)

^{*} Here, standalone signage refers to QMN series and conventional window display refers to OMD-W series.

^{**} Power consumption was tested at the highest brightness of each product.



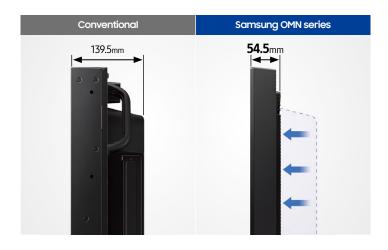
Key features



Foster brilliant presentation for all

Unlike conventional digital signage, the OMN/OMR series delivers outstanding content, regardless of outdoor elements. Featuring 4,000nit brightness and a high contrast ratio of 5,000:1, the OMN/OMR series' display remains bright and clear, delivering an uncompromised picture that will capture the attention of potential customers – even under the scrutiny of direct sunlight. In addition, blindness is removed when looking at the sign with polarized sunglasses.

* "Conventional" refers to Samsung's OMD-W series.



Modernize space with slim design

Through innovative design, the OMN/OMR series delivers a real-tolife picture with a remarkably slim depth. Its compact size makes the display a natural extension of the store, as opposed to an addition that ties up valuable space. It also gives retailers greater flexibility in storefront design. Meanwhile, customers remain focused on rich, engaging content on a sleek, sophisticated display and not distracted by a bulky display.

- * "Conventional" refers to Samsung's OMD-W series.
- * Product design varies by series.



Streamline content management

Digital displays should require as little maintenance as possible – a retailer's time is valuable. The OMN/OMR series' embedded MagicINFO S Player, backed by the powerful TIZEN operating system, boosts the display's overall performance, allowing for painless content management and ensuring seamless content transition and playback. You can be sure that the content you want customers to see will be displayed when it needs to be, without interruption.



Deliver vibrant content with efficiency

For most retailers, energy efficiency is a must. It is a key component to controlling operational costs, and the OMN/OMR series addresses this very real concern. It consumes less power than conventional displays* while delivering a brilliant picture and spectacular performance. Because of the OMN/OMR series' innovative efficiency, retailers are equipped with a superior, more engaging display that gives them greater control over costs.

* Conventional displays refer to Samsung's OMD-W series.

Why Samsung OMN-D series?

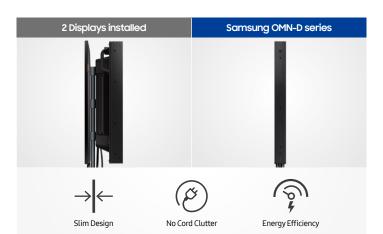
Samsung's OMN-D Series is a dual display with screens on both sides, allowing retailers to maximize messaging. The window-facing screen features bright visuals and prominent positioning, giving passersby motivation to enter the store. Once inside, indoor-facing displays enhance the shopping experience with content promoting sales, new merchandise and additional information about the store and its services. This single display reduces equipment and installation costs, increasing operational efficiency, compared to installing two separate displays.





Modernize space with flexible design

The OMN-D Series can be easily mounted either on a stand or hung from a ceiling, giving retailers more options for positioning. The smart design creates a clean look that promotes easier customer engagement without aesthetic distraction and offers flexibility in how valuable space on the floor is designed and utilized. With a hidden top cover, cable management is clear of clutter, and due to the slim depth, the display does not divert attention away from the store's products.



Maximize operational efficiency

With a sleek, efficient design, the OMN-D Series gives retailers the freedom to easily customize small storefront window displays. Unlike conventional displays that are both bulky and limit positioning options, the OMN-D Series frees up space, offering retailers more room to market themselves to potential customers. Additionally, the displays are easily activated with one electric power cord and one LAN cable, drastically reducing cord clutter and increasing energy efficiency.

Specifications

Panel Power Power Power Power Power Power Power Power Pomer Power Power Consumption Pomension(mm) Pomension(mm) Pomension(mm) Pomension Poperation Poperation Pimension Poperation Pimension Poperation Pimension Poperation Pimension Poperation Pomension Poperation Pimension Poperation Pomension Poperation Pimension Poperation Poperation Pimension Pimension Poperation Pimension Pime		OM46N	OM55N	OM75R
Panel Resi Pixel P Active Disp Bright Contr. Viewing Response Display Display Display Display Power Connectivity Output Connectivity Output Connectivity Output Dimension(mm) Mechanical Spec Power Consumption Dimension(mm) Weight (kg) Protect Star Bezel W Operation Operation Feature Internal Player (Embedded H/W)	al Siza Class	46	55	75
Panel Panel Panel Panel Panel Pactive Displation Polyman Polyman Posund Pour Power Power Power Consumption Power Power Consumption Poperating Protect Starn Bezel W Poperating Peature Pixel Pacific Pixel Payer Power Consumption Power Consumption Pixel Pixel Pixel Power Power Power Power Power Power Power Power Consumption Pixel P	al Size Measured	45.9" /116.8cm	54.6" / 138.7cm	74.5" / 189.3cm
Panel Power Power Power Power Power Power Power Power Power Pomer Pomer Power Pomer Power Pomer Pomer Power Pomer Power Pomer Power Pomer Pomer Pomer Pomer Power Pomer	Туре	120Hz E-LED BLU	120Hz E-LED BLU	120Hz D-LED BLU
Panel Power Power Power Power Power Power Power Power Power Pomenatical Spec Poperation Poperation Peature Peature Peature Peature Panel Panel Panel Power P	Resolution	1920x1080 (16:9)	1920x1080 (16:9)	3840 x 2160 (16:9)
Panel Bright Contro Viewing Response Displa Coloi Opera H-Scannir Maximum F Sound Speal Input Connectivity Output Extern Extern Extern Fower Consumption Dimension(mm) Weight (kg) Power Power Consumption Dimension(mm) Weight (kg) Speal Operation Hui Feature Internal Player (Embedded H/W)	Pixel Pitch(mm)	0.530 x 0.530	0.530 x 0.530	0.430 x 0.430
Panel Contro Viewing Response Displa Color Opera H Dyna H-Scannir V-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Extern Th Power Consumption Dimension(mm) Weight (kg) Potect Star Bezel W Operating Operation Feature Internal Player (Embedded H/W)	Active Display Area(mm)	1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)	1650.24(H) x 928.26(V)
Response Viewing Response Display Opera H-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Extern Fower Power Consumption Dimension(mm) Weight (kg) Protect Starn Bezel W Operation Operation Feature Internal Player (Embedded H/W)	Brightness(Typ.)	4,000 cd/m2	4,000 cd/m2	4,000 cd/m2
Response Display Color Operation Display Display Power Power Power Consumption Dimension(mm) Weight (kg) Protect Start Bezel W Operating Operating Internal Player (Embedded H/W)	Contrast Ratio	5,000:1	5,000:1	5,000:1
Response Display Color Operation Display Display Power Power Power Consumption Dimension(mm) Weight (kg) Protect Start Bezel W Operating Operating Internal Player (Embedded H/W)	Viewing Angle(H/V)	178/178	178/178	178/178
Display Color Opera H-Scannir Dyna H-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Extern Ti T Power Consumption Dimension(mm) Weight (kg) Spec Star Bezel W Operation Operation Feature Internal Player (Embedded H/W)	Response Time(G-to-G)	6ms	6ms	6ms
Colon Opera F Dyna H-Scannir V-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Extern F T Power Consumption Dimension(mm) Weight (kg) Protect Starn Bezel W Operation Operation Feature Internal Player (Embedded H/W)	Display Colors	8 bit - 16.7M	8 bit -16.7M	8 bit - 16.7M
Opera Poyna H-Scannir V-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Fower Consumption Dimension(mm) Weight (kg) Spec Protect Star Bezel W Operating Operating Hui Feature Internal Player (Embedded H/W)	Color Gamut	72%	72%	72%
Display H-Scannir V-Scannir V-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Fit To Power Consumption Dimension(mm) Weight (kg) Mechanical Spec YESA Protect Star Bezel W Operating Operation Hull Internal Player (Embedded H/W)	Operation Hour	24/7	24/7	24/7
Dyna H-Scannir V-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Extern Ti To Power Consumption Dimension(mm) Weight (kg) Protect Star Bezel W Operating Operating Hui Feature Internal Player (Embedded H/W)	Haze	0%	0%	0%
Display H-Scannir V-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Extern Ti T Power Consumption Dimension(mm) Weight (kg) Protect Start Bezel W Operating Operation Hui Feature Internal Player (Embedded H/W)		0%	0%	
Display V-Scannir Maximum P Sound Speal Input Connectivity Output Extern Extern Ti T Power Power Consumption Dimension(mm) Weight (kg) Protect Starn Bezel W Operating Operating Hui Feature Internal Player (Embedded H/W)	Dynamic C/R	- - 475111 (DD) 45 475111 (UD) 40		100,000:1
Sound Speal Input	H-Scanning Frequency	30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)	30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)	15~81KHz (HDMI), 30~135KHz (DP)
Sound Speal Input Connectivity Output Extern Extern Ti T Power Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Star Bezel W Operating Hu Feature Internal Player (Embedded H/W)	V-Scanning Frequency	30 ~ 75Hz (DP), 24 ~ 75Hz (HDMI)	30 ~ 75Hz (DP), 24 ~ 75Hz (HDMI)	24~75Hz (HDMI), 30~75Hz (DP)
Input Connectivity Output Extern Extern Th Power Power Consumption Dimension(mm) Weight (kg) VESA Protect Star Bezel W Operating Hui Feature Internal Player (Embedded H/W)	Maximum Pixel Frequency	233.25MHz (DP), 594MHz (HDMI)	533.25MHz (DP), 594MHz (HDMI)	594MHz (HDMI), 533.25MHz(DP)
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) Protect Start Bezel W Operating Operating Hui Feature Internal Player (Embedded H/W)	Speaker Type	N/A	N/A	N/A
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) Protect Start Bezel W Operating Operating Hui Feature Internal Player (Embedded H/W)	RGB	Display Port 1.2 (1)	Display Port 1.2 (1)	Display Port 1.2 (1)
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) Protect Start Bezel W Operating Operating Hui Feature Internal Player (Embedded H/W)	Video	HDMI2.0 (2)	HDMI2.0 (2)	HDMI2.0 (2)
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) Protect Start Bezel W Operating Operating Hui	ut HDCP	HDCP 2.2	HDCP2.2	HDCP 2.2
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) VESA Protect Star Bezel W Operating Hui Feature Internal Player (Embedded H/W)	Audio	N/A	N/A	N/A
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Start Bezel W Operation Hui Feature Internal Player (Embedded H/W)	USB	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Start Bezel W Operation Hui Feature Internal Player (Embedded H/W)	RGB	HDMI 2.0	HDMI 2.0	HDMI 2.0
Power Power Consumption Power Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Start Bezel W Operation Hui Feature Internal Player (Embedded H/W)	Video	Yes	Yes	Yes
Power Power Consumption Dimension(mm) Mechanical Spec VESA Protect Star Bezel W Operation Hu Feature Internal Player (Embedded H/W)		Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
Power Power Consumption Dimension(mm) Mechanical Spec VESA Protect Start Bezel W Operation Hu Feature Internal Player (Embedded H/W)	Power Out	N/A	N/A	N/A
Power Power Consumption Dimension(mm) Mechanical Spec VESA Protect Start Bezel W Operation Hu Feature Internal Player (Embedded H/W)	Power Out			
Power Power Consumption Dimension(mm) Mechanical Spec VESA Protect Start Bezel W Operation Hu Feature Internal Player (Embedded H/W)		N/A	N/A	N/A
Power Power Consumption Dimension(mm) Mechanical Spec VESA Protect Start Bezel W Operation Operation Feature Internal Player (Embedded H/W)	External Control	RS232C (In/Out), RJ45 (In/Out)	RS232C (In/Out), RJ45 (In/Out)	RS232C (In/Out), RJ45 (In)
Power Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Star Bezel W Operation Feature Internal Player (Embedded H/W)	External Sensor	Detachable Type (IR, Ambient)	Detachable Type (IR, Ambient)	Detachable Type (IR, Ambient)
Power Power Consumption Dimension(mm) Weight (kg) Protect Star Bezel W Operation Feature Internal Player (Embedded H/W)	Tuner	N/A	N/A	N/A
Power Consumption Dimension(mm) Mechanical Spec VESA Protect Star Bezel W Operating Hui Feature Internal Player (Embedded H/W)	Туре	Internal	Internal	Internal
Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Star Bezel W Operation Hu Feature Internal Player (Embedded H/W)	Power Supply	AC 100 - 240 V~ (+/-10 %), 50/60 Hz	AC100 - 240 V~ (+/-10 %), 50/60 Hz	AC 100 - 240 V~ (+/-10 %), 50/60 H
Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Star Bezel W Operation Hu Feature Internal Player (Embedded H/W)	Max[W/h]	350	450	990
Power Consumption Dimension(mm) Weight (kg) Spec VESA Protect Star Bezel W Operation Hu Feature Internal Player (Embedded H/W)		W/W(EU): 210, US/KOR/Etc: 330 * Etc: CHINA.	W/W(EU): 276, US/KOR/Etc: 420 * Etc: CHINA,	411W(EU), 600W(US/KOR/ETC)
Consumption Dimension(mm) Mechanical Spec VESA Protect Start Bezel W Operation Operating Hull Feature Internal Player (Embedded H/W)		TAIWAN, BRA, CIS	TAIWAN, BRA, CIS	
Dimension(mm) Weight (kg) Protect Start Bezel W Operation Feature Internal Player (Embedded H/W)		1194	1536	3376
Mechanical Spec VESA Protect Star Bezel W Operation Hu Feature Internal Player (Embedded H/W)	Sleep mode	0.5W	0.5W	less than 0.5W
Mechanical Spec VESA Protect Start Bezel W Operation Hur Feature Internal Player (Embedded H/W)	Off mode	0.5W	0.5W	less than 0.5W
Mechanical Spec VESA Protect Start Bezel W Operation Hur Feature Internal Player (Embedded H/W)	Set	1062 x 616.6 x 54.5 mm	1253.4 x 724.2 x 54.5 mm	1703.1 x 981.2 x 82.6
Mechanical Spec VESA Protect Star Bezel W Operation Hu Feature Internal Player (Embedded H/W)	on(mm) Package	1189 x 757 x 158 mm	1420 x 879 x 178 mm	1890 x 1144 x 225
Feature Internal Player (Embedded H/W)				
Mechanical Spec VESA Protect Star Bezel W Operation Operation Hui Spec Internal Player (Embedded H/W)	t (kg) Set	18.2kg	23.1 kg	38kg
Protect Star Bezel W Operation Operation Feature Internal Player (Embedded H/W)	Package VESA Mount	23kg	28 kg	50.5kg
Star Bezel W Operating Hu Sp Feature Internal Player (Embedded H/W)	VESA Mount	400 x 400 mm	400 x 400 mm	400 x 400 mm
Feature Internal Player (Embedded H/W)	Protection Glass	N/A N/A	N/A N/A	N/A
Operation Operating Hui Sp Feature Internal Player (Embedded H/W)	Stand Type Bezel Width (mm)	N/A 19.9 (even)	N/A 19.9 (even)	N/A 23.9
Feature Internal Player (Embedded H/W)	Bezel Width (mm)			
Feature Internal Player (Embedded H/W)	Operating Temperature	0°C~ 30°C (Direct Sunlight), 0°C~ 40°C (w/o Direct Sunlight)	0°C~ 30°C (Direct Sunlight), 0°C~ 40°C (w/o Direct Sunlight)	0°C~ 30°C (Direct Sunlight), 0°C~ 40°C (w/o Direct Sunlight)
Feature Internal Player (Embedded H/W)	Humidity	10~80%	10~80%	10~80%
Feature Internal Player (Embedded H/W)	Humburty			
Feature Internal Player (Embedded H/W)	Key	High brightness Window Display Slim & Clean back design	High brightness Window Display Slim & Clean back design	High brightness Window Display Slim & Clean back design
Feature Internal Player (Embedded H/W)	,	Built-in MagicInfo Player S6, SSSP 6.0	Built-in MagicInfo Player S6, SSSP 6.0	Built-in MagicInfo Player S7, SSSP 7.
Feature Internal Player (Embedded H/W)		IP 5X rated, Polarized Sun Glasses Viewable in	IP 5X rated, Polarized Sun Glasses Viewable in	IP 5X rated, Polarized Sun Glasses View
Feature Internal Player (Embedded H/W)		any direction, Portrait /Landscape Installation	any direction, Portrait /Landscape Installation	in any direction, Portrait /Landscape In
Feature Internal Player (Embedded H/W)		Support, Lamp Error Detection, Auto Bright-	Support, Lamp Error Detection, Auto Bright-	lation Support, Auto Brightness Control
Feature Internal Player (Embedded H/W)	Special	ness Control with Ambient Brightness Sensor,	ness Control with Ambient Brightness Sensor,	Ambient Brightness Sensor, Temperat
Feature Internal Player (Embedded H/W)		Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs	Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs	Sensor, RJ45 MDC, Auto Source Switch & Recovery, Clock Battery(80hrs Clo
Feature Internal Player (Embedded H/W)		Switching & Recovery, Clock Battery(80hrs Clock Keeping)	Switching & Recovery, Clock Battery(80hrs Clock Keeping)	Keeping), WiFi Module Embedded
Feature Internal Player (Embedded H/W)	Processor	Coretex A721.7GHz Quad-Core CPU	Coretex A721.7GHz Quad-Core CPU	Cortex A72 1.7GHz Ouad-Core CPU
Feature Internal Player (Embedded H/W)		L1 Instruction Cache : 48KB,	L1 Instruction Cache : 48KB,	L1 Instruction Cache : 48KB,
Internal Player (Embedded H/W)	On-Chip Cache Memory	L1 Data Cache : 32KB, L2 Cache : 2MB	L1 Data Cache : 32KB, L2 Cache : 2MB	L1 Data Cache : 32KB, L2 Cache : 2M
Internal Player (Embedded H/W)	Clock Speed	1.7GHz	1.7GHz	1.7GHz
Internal Player (Embedded H/W)	Main Memory Interface	2.5GB, LPDDR41.5GHz 64bit	2.5GB, LPDDR41.5GHz 64bit	2.5GB, LPDDR41600MHz 64bit
(Embedded H/W)	Plain Hemory Interface	Graphic resolution : 1920x1080 / Output reso-	Graphic resolution : 1920x1080 / Output reso-	Graphic resolution : 1920x1080
(Embedded H/W)	Graphics	lution: up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES	lution: up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES	Output resolution : 7680x4320 (Scale from graphic processing result.)
Sa		8GB (3.88GB Occupied by O/S, 4.12GB Available)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	8GB (3.88GB Occupied by O/S, 4.12GB Availa
S _t		Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/	Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/	Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UF
Sa	Multimedia	AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, V
Sa		Audio Decoder - AC3 (DD), MPEG	Audio Decoder - AC3 (DD), MPEG	Audio Decoder - AC3 (DD), MPEG
Sa	IO Ports	USB 2.0	USB 2.0	USB 2.0
Sa	Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 5.0 (VDLinux)
S.		CB (Europe): IEC60950-1/EN60950-1 / UL(U-	CB (Europe) : IEC60950-1/EN60950-1 / UL(U-	CB (Europe) : IEC60950-1/EN60950-
	Safety	SA) : cUL60950-1	SA) : cUL60950-1	UL(USA) : cUL60950-1
ertification		FCC (USA) Part 15, Subpart B Class A /	FCC (USA) Part 15, Subpart B Class A /	FCC (USA) Part 15, Subpart B Class
E	EMC	CE (Europe) : EN55022:2006+A1:2007,	CE (Europe): EN55022:2006+A1:2007,	CE (Europe) : EN55022:2006+A1:200
		EN55024:1998+A1:2001+A2:2003	EN55024:1998+A1:2001+A2:2003	EN55024:1998+A1:2001+A2:2003
Envir	Environment	N/A	N/A	N/A
1	Included	Quick Setup Guide, Regulatory Guide, Warranty	Quick Setup Guide, Regulatory Guide, Warranty	Quick Setup Guide, Regulatory Guide, N
Accessories	Included	Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor	Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor	ranty Card, Power Cord, Remote Contro Batteries, IR, Ambient sensor
Optional	onal Media Player	N/A	N/A	N/A

Model			OM46N-D	OM55N-D	
	Class Diagonal Size		46	55	
		Measured	45.9" / 116.8cm	54.6" / 138.7cm	
		Type	120Hz E-LED BLU	120Hz / 60Hz E-LED BLU	
		esolution	1920x1080 (16:9)	1920x1080 (16:9)	
		l Pitch(mm)	0.530 x 0.530	0.530 x 0.530	
		isplay Area(mm)	1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)	
Panel	Panel Brightness(Typ.) Contrast Ratio		3,000 / 1,000 cd/m2	3,000 / 1,000 cd/m2	
			5,000:1	5,000:1	
		ng Angle(H/V)	178/178	178/178	
		se Time(G-to-G)	6ms	6ms(3,000nit), 8ms(1,000nit)	
		play Colors	8 bit -16.7M	8 bit - 16.7M	
	Color Gamut Operation Hour Haze		72%	72%	
			24/7	24/7	
			0%	0%	
	H-Scanning Frequency		15 ~ 135kHz (HDMI)	15 ~ 135kHz (HDMI)	
Display	y V-Scanning Frequency Maximum Pixel Frequency		24 ~ 75Hz (HDMI)	24 ~ 75Hz (HDMI)	
			594MHz (HDMI)	594MHz (HDMI)	
Sound	nd Speaker Type		N/A	N/A	
		RGB	N/A	N/A	
		Video	HDMI2.0 (2)	HDMI2.0 (2)	
	Input	HDCP	HDCP2.2	HDCP2.2	
		Audio	N/A	N/A	
		USB	USB 2.0 (2)	USB 2.0 (2)	
		RGB	N/A	N/A	
Connectivity		Video	N/A	N/A	
	Output	Audio	N/A	N/A	
		Power Out	N/A	N/A	
		USB	N/A	N/A	
	Exte	rnal Control	RS232C (In), RJ45 (In)	RS232C (In), RJ45 (In)	
		ernal Sensor	Detachable Type (IR, Ambient (Outdoor Only))	Detachable Type (IR, Ambient (Outdoor Only))	
	Tuner		N/A	N/A	
		Туре	Internal	Internal	
	Por	wer Supply	AC100 - 240 V~ (+/-10 %), 50/60 Hz	AC100 - 240 V~ (+/-10 %), 50/60 Hz	
	Max[W/h]		380	500	
Power		Typical[W/h]	W/W(EU): 214, US/KOR/Etc: 380	W/W(EU): 290, US/KOR/ETC: 470 % ETC: CHINA, TAIWAN, BRA, CIS	
rowei	Power Consumption	BTU (Max)	1297	1706	
			1297 1W	1706 1W	
		Sleep mode Off mode			
			1W	1W	
	Dimension(mm)	Set	619.1 x 1107.5 x 69.5 mm	726.8 x 1299 x 69.5 mm	
		Package	796 x 1255 x 327 mm	940 x 1466 x 367 mm	
	Weight (kg)	Set	32kg	42kg	
Mechanical Spec	Package		39.5kg	52kg	
Spec		SA Mount	N/A	N/A	
		ection Glass	N/A	N/A	
	Stand Type Bezel Width (mm)		N/A	N/A	
			22.8 (even)	22.8 (even)	
Operation	Operating Temperature		0°C~ 30°C (Direct Sunlight), 0°C~ 40°C (w/o Direct Sunlight)	0°C~ 30°C (Direct Sunlight), 0°C~ 40°C (w/o Direct Sunlight)	
•	ŀ	Humidity	10~80%	10~80%	
		Key	Dual Display / Slim design Window Display Built-in MagicInfo Player S6, SSSP 6.0	Dual Display / Slim design Window Display Built-in MagicInfo Player S6, SSSP 6.0	
			IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait	
Feature	Special		Installation Support, Lamp Error Detection, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, R145 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)	Installation Support, Lamp Error Detection, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, RU45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)	
		Processor	Coretex A72 1.7GHz Quad-Core CPU	Coretex A721.7GHz Quad-Core CPU	
		On-Chip Cache Memory	L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB	L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB	
		Clock Speed	1.7GHz	1.7GHz	
		Main Memory Interface	2.5GB, LPDDR41.5GHz 64bit	2.5GB, LPDDR41.5GHz 64bit	
Feature			Graphic resolution: 1920x1080 / Output resolution: up to 3840x2160	Graphic resolution: 1920x1080 / Output resolution: up to 3840x2160	
Feature		Graphics	(Scale up from graphic processing result.) - Supports OpenGLES	(Coale up from graphic processing result) Cupports OpenCL EC	
Feature	Internal Player	Graphics		(Scale up from graphic processing result.) - Supports OpenGL ES	
Feature	Internal Player (Embedded H/W)	Graphics Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	
Feature		·	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	
Feature		Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC	
Feature		Storage (FDM) Multimedia	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0	
Feature		Storage (FDM) Multimedia IO Ports Operating System	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux)	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux)	
		Storage (FDM) Multimedia IO Ports Operating System Safety	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe): IEC60950-1/EN60950-1 / UL(USA): cUL60950-1	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe): IEC60950-1/EN60950-1 / UL(USA): cUL60950-1	
Feature Certification		Storage (FDM) Multimedia IO Ports Operating System	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux)	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux)	
	(Embedded H/W)	Storage (FDM) Multimedia IO Ports Operating System Safety	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe): IEC60950-1/EN60950-1 / UL(USA): cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe):	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-1 / UL(USA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe) :	
	(Embedded H/W)	Storage (FDM) Multimedia IO Ports Operating System Safety EMC vironment	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe): IEC60950-1/EN60950-1 / UL(USA): cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe): EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 N/A Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord,	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe): IEC60950-1/EN60950-1 / UL(USA): cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe): EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 N/A Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord,	
	(Embedded H/W)	Storage (FDM) Multimedia IO Ports Operating System Safety EMC	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe): IEC60950-1/EN60950-1 / UL(USA): cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe): EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 N/A	8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe): IEC60950-1/EN60950-1 / UL(USA): cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe): EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 N/A	