

Promote content with exceptional clarity in any storefront window

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Samsung Electronics Co., Ltd. 416, Maetan 3 -dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-772, Korea 2019-10

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

SAMSUNG



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.



* "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.

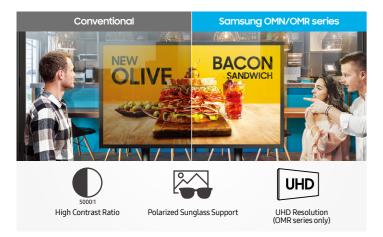
	Print	Standalone*	Conventional window display*	OMN/OMR series
Brightness		- C - 350-700nit	- -------------	4,000nit
Polarized sunglasses compatible				
Resistant to direct sunlight				 Image: A start of the start of
Motion visuals				\checkmark
Embedded software			\checkmark	\checkmark
Depth		about 60mm (QM49N)	about 140mm (OM46D-W)	54.5mm (ОМ46N)
Power consumption		It varies depending on models	385w** (OM46D-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

Conventional

139.5mm





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.

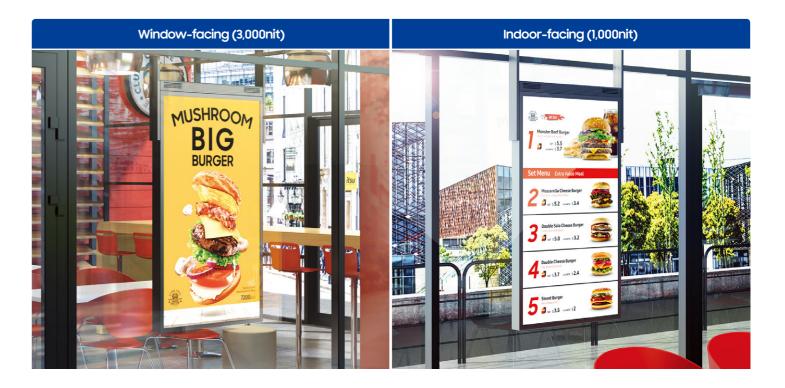
Deliver vibrant content with efficiency

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.









Conventional

Samsung OMN/OMR series

Samsung OMN series

54.5mm

<->







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

	Model		OM46N-D	OM55N-D	
	lianonal Size	Class	46	55	
b	Diagonal Size Measured		45.9" / 116.8cm	54.6" / 138.7cm	
		Туре	120Hz E-LED BLU	120Hz / 60Hz E-LED BLU	
		solution	1920x1080 (16:9)	1920x1080 (16:9)	
		Pitch(mm)	0.530 x 0.530	0.530 x 0.530	
	Active Display Area(mm)		1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)	
Panel	Brightness(Typ.)		3,000 / 1,000 cd/m2	3,000 / 1,000 cd/m2	
	Contrast Ratio		5,000:1	5,000:1	
	Viewing Angle(H/V)		178/178	178/178	
	Response	Time(G-to-G)	6ms	6ms(3,000nit), 8ms(1,000nit)	
		lay Colors	8 bit - 16.7M	8 bit - 16.7M	
				72%	
	Color Gamut		72%		
	Operation Hour		24/7	24/7	
	Haze		0%	0%	
	H-Scanning Frequency		15 ~ 135kHz (HDMI)	15 ~ 135kHz (HDMI)	
Display	V-Scanni	ng Frequency	24 ~ 75Hz (HDMI)	24 ~ 75Hz (HDMI)	
			594MHz (HDMI)		
c		Pixel Frequency		594MHz (HDMI)	
Sound	Spea	aker Type	N/A	N/A	
		RGB	N/A	N/A	
		Video	HDMI2.0 (2)	HDMI2.0 (2)	
	Input	HDCP	HDCP 2.2	HDCP2.2	
	mpac				
		Audio	N/A	N/A	
		USB	USB 2.0 (2)	USB 2.0 (2)	
		RGB	N/A	N/A	
onnectivity		Video	N/A	N/A	
	Output	Audio	N/A	N/A	
	output				
		Power Out	N/A	N/A	
		USB	N/A	N/A	
	External Control		RS232C (In), RJ45 (In)	RS232C (In), RJ45 (In)	
	Exter	nal Sensor	Detachable Type (IR, Ambient (Outdoor Only))	Detachable Type (IR, Ambient (Outdoor Only))	
	Tuner		N/A	N/A	
		Туре	Internal	Internal	
	Pow	er Supply	AC100 - 240 V~ (+/-10 %), 50/60 Hz	AC 100 - 240 V~ (+/-10 %), 50/60 Hz	
		Max[W/h]	380	500	
Power		Typical[W/h]	W/W(EU): 214, US/KOR/Etc: 380 * Etc: CHINA, TAIWAN, BRA, CIS	W/W(EU): 290, US/KOR/ETC: 470 * ETC: CHINA, TAIWAN, BRA,	
	Power	BTU (Max)	1297	1706	
C	onsumption				
		Sleep mode	1W	1W	
		Off mode	1W	1W	
Dir	moncion(mm)	Set	619.1 x 1107.5 x 69.5 mm	726.8 x 1299 x 69.5 mm	
Dii	mension(mm)	Package	796 x 1255 x 327 mm	940 x 1466 x 367 mm	
		Set	32kg	42kg	
	Weight (kg)	Package	39.5kg	52kg	
Mechanical Spec		•	-		
spec	VES	A Mount	N/A	N/A	
	Prote	ction Glass	N/A	N/A	
	Sta	nd Type	N/A	N/A	
	Bezel V	Vidth (mm)	22.8 (even)	22.8 (even)	
		g 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)	
Operation		umidity	10~80%	10~80%	
	н	annancy			
		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	
	Special		IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait Installation Support, Lamp Error Detection, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portr Installation Support, Lamp Error Detection, Auto Brightness Cont with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, / Source Switching & Recovery, Clock Battery(80hrs Clock Keepin	
		Processor	Coretex A721.7GHz Quad-Core CPU	Coretex A72 1.7GHz 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 : 2M	
		Clock Speed	1.7GHz	1.7GHz	
Feature	Internal Player (Embedded H/W)	Main Memory Interface	2.5GB, LPDDR41.5GHz 64bit	2.5GB, LPDDR41.5GHz 64bit	
		Graphics	Graphic resolution : 1920x1080 / Output resolution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGLES	Graphic resolution : 1920x1080 / Output resolution : up to 3840x2 (Scale up from graphic processing result.) - Supports OpenGL E	
		Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	
(2.1		Multimedia	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	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	
		IO Ports	USB 2.0	USB 2.0	
		Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	
	c	Safety	CB (Europe) : IEC60950-1/EN60950-1 / UL(USA) : cUL60950-1	CB (Europe) : IEC60950-1/EN60950-1 / UL(USA) : cUL60950-1	
	2	Juncty	-		
ertification		EMC	FCC (USA) Part 15, Subpart B Class A / CE (Europe) : EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003	FCC (USA) Part 15, Subpart B Class A / CE (Europe) : EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003	
	Envi	ronment	N/A	N/A	
	In	cluded	Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord,	Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cor	
			Remote Controller, Batteries, IR, Ambient sensor	Remote Controller, Batteries, IR, Ambient sensor	
Accessories	Optional	Media Player	N/A	N/A	

	Model		OM46N	OM55N	OM75R
	Diagonal Size	Class	46	55	75
	Bidgoniacolize	Measured	45.9" / 116.8cm	54.6" / 138.7cm	74.5" / 189.3cm
	Туре		120Hz E-LED BLU	120Hz E-LED BLU	120Hz D-LED BLU
	Resolution		1920x1080 (16:9)	1920x1080 (16:9)	3840 x 2160 (16:9)
Panel Active I Co	Pixel	Pitch(mm)	0.530 x 0.530	0.530 x 0.530	0.430 x 0.430
	Active Di	splay Area(mm)	1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)	1650.24(H) x 928.26(V)
		itness(Typ.)	4,000 cd/m2	4,000 cd/m2	4,000 cd/m2
		trast Ratio	5,000:1	5,000:1	5,000:1
		g Angle(H/V)	178/178	178/178	178/178
	Respons	e Time(G-to-G)	6ms	6ms	6ms
	Disp	olay Colors	8 bit -16.7M	8 bit -16.7M	8 bit - 16.7M
	Col	or Gamut	72%	72%	72%
		ation Hour	24/7	24/7	24/7
	Oper	Haze	0%	0%	0%
	-		0.48	0%	
		iamic C/R	-	-	100,000:1
Display		ing Frequency	30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)	30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)	15~81KHz (HDMI), 30~135KHz (DP)
Display	V-Scann	ing Frequency	30 ~ 75Hz (DP), 24 ~ 75Hz (HDMI)	30 ~ 75Hz (DP), 24 ~ 75Hz (HDMI)	24~75Hz (HDMI), 30~75Hz (DP)
	Maximum	Pixel Frequency	233.25MHz (DP), 594MHz (HDMI)	533.25MHz (DP), 594MHz (HDMI)	594MHz (HDMI), 533.25MHz(DP)
Sound	Spe	akerType	N/A	N/A	N/A
		RGB	Display Port 1.2 (1)	Display Port 1.2 (1)	Display Port 1.2 (1)
			, , ,		1, 1, 1,
		Video	HDMI2.0 (2)	HDMI2.0 (2)	HDMI2.0 (2)
	Input	HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2
		Audio	N/A	N/A	N/A
		USB	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)
		RGB	HDMI 2.0	HDMI 2.0	HDMI 2.0
onnectivity		Video	Yes	Yes	Yes
mectivity	C. true				
	Output	Audio	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
		Power Out	N/A	N/A	N/A
		USB	N/A	N/A	N/A
	Exter	nal Control	RS232C (In/Out), RJ45 (In/Out)	RS232C (In/Out), RJ45 (In/Out)	RS232C (In/Out), RJ45 (In)
	Exte	rnal Sensor	Detachable Type (IR, Ambient)	Detachable Type (IR, Ambient)	Detachable Type (IR, Ambient)
	LAC	Tuner	N/A	N/A	N/A
		Туре	Internal	Internal	Internal
	Pov	ver Supply	AC100 - 240 V~ (+/-10 %), 50/60 Hz	AC100 - 240 V~ (+/-10 %), 50/60 Hz	AC100 - 240 V~ (+/-10 %), 50/60 H
		Max[W/h]	350	450	990
Devee		Tupical[W//b]	W/W(EU): 210, US/KOR/Etc: 330 * Etc: CHINA,	W/W(EU): 276, US/KOR/Etc: 420 * Etc: CHINA,	411W/EU) 400W/US/KOD/ETC)
Power	Power	Typical[W/h]	TAIWAN, BRA, CIS	TAIWAN, BRA, CIS	411W(EU), 600W(US/KOR/ETC)
	Consumption	BTU (Max)	1194	1536	3376
	consumption		0.5W	0.5W	less than 0.5W
		Sleep mode			
		Off mode	0.5W	0.5W	less than 0.5W
	Dimension (mar)	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
	Dimension(mm)	Package	1189 x 757 x 158 mm	1420 x 879 x 178 mm	1890 x 1144 x 225
		Set	18.2kg	23.1 kg	38kg
1echanical	Weight (kg)	Package	23kg	28 kg	50.5kg
Spec		· ·	400 x 400 mm	400 x 400 mm	400 x 400 mm
Spec	VESA Mount				
		ection Glass	N/A	N/A	N/A
	St	and Type	N/A	N/A	N/A
	Bezel	Width (mm)	19.9 (even)	19.9 (even)	23.9
	Onerstin	a Tanan ayatu ya	0°C~ 30°C (Direct Sunlight),	0°C~ 30°C (Direct Sunlight),	0°C~ 30°C (Direct Sunlight),
Operation	Operatin	g Temperature	0°C~ 40°C (w/o Direct Sunlight)	0°C~ 40°C (w/o Direct Sunlight)	0°C~ 40°C (w/o Direct Sunlight)
	Н	umidity	10~80%	10~80%	10~80%
		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
	Special		Built-in MagicInfo Player S6, SSSP 6.0	Built-in MagicInfo Player S6, SSSP 6.0	Duille in Manialate Diaman CZ CCCD Z
	:		IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)	Built-in MagicInfo Player S7, SSSP 7. IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Control Ambient Brightness Sensor, Temperat Sensor, RJ45 MDC, Auto Source Switcf & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded
	5		IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs	any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperal Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded
	5	Special Processor	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)	any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperal Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU
		Special	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU	any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperai Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB,
Fosture		Special Processor On-Chip Cache Memory	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Remperat Sensor, RJ45 MDC, Auto Source Switch & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M
Feature		Special Processor On-Chip Cache Memory Clock Speed	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72.1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz	any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape Ir lation Support, Auto Brightness Contro Ambient Brightness Sensor, Tempera Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz
Feature		Special Processor On-Chip Cache Memory	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RI45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Control Ambient Brightness Sensor, Temperat Sensor, RJ45 MDC, Auto Source Switch & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7680x4320 (Scale
Feature	Internal Player (Embedded H/W)	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB	any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Control Ambient Brightness Sensor, Temperat Sensor, RJ45 MDC, Auto Source Switch & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 7680x4320 (Scale from graphic processing result.) 8GB
Feature	Internal Player	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM)	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by 0/5, 412GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/	any direction, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by 0/5, 4.12GB Available) Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperat Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1780x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Avail. Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UH
Feature	Internal Player	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by 0/S, 4.12GB Available) Video Decoder	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Control Ambient Brightness Sensor, Temperat Sensor, RJ45 MDC, Auto Source Switch & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7880x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Availa
Feature	Internal Player	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM)	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by 0/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	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H263, H264/AVC, UHD H.264/ AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperat Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7680x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by 0/S, 4.12GB Avail. Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UH H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8,
Feature	Internal Player	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72.17.GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4.15GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RI45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72.1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperal Sensor, RJ45 MDC, Auto Source Switch & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7680x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by 0/S, 4.12GB Avail Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UH H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, Audio Decoder - AC3 (DD), MPEG USB 2.0
Feature	Internal Player (Embedded H/W)	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Storage (FDM) Multimedia IO Ports Operating System	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72.17.GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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)	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RI45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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)	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperal Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1780x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Avail. Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UH H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 5.0 (VDLinux)
Feature	Internal Player (Embedded H/W)	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Multimedia IO Ports	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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(U-	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by 0/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H2/63, 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(U-	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperai Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 780x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Avail Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UI H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VPB, Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 5.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-
Feature	Internal Player (Embedded H/W)	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Storage (FDM) Multimedia IO Ports Operating System	 IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache: 48KB, L1 Data Cache: 32KB, L2 Cache: 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution: 1920x1080 / Output reso- lution: up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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): EIC60950-1/EN60950-1 / UL(U- SA): cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe): Su5202:2006+A1:2007, 	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGLES 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(U- SA) : cUL60950-1 FCC (USA) Part15, Subpart B Class A / CE (Europe) : R55022:2006+A1:2007,	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperal Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7680x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Avail Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UH H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8,' Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 5.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-1 UL(USA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class CE (Europe) : N55022:2006+A1:200
	Internal Player (Embedded H/W)	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Graphics Storage (FDM) Storage (FDM) IO Ports Operating System Safety EMC	 IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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(U- SA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe) : FNS5022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by 0/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H263, H.264/AVC, UHD H.264/ AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP9, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-1 / UL(U- SA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CC (Europe) : SN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape Ir lation Support, Auto Brightness Contro Ambient Brightness Sensor, Tempera Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clic (Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7880x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Avail Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UI H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VPB, Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 5.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-1 UL(USA) : cuL60950-1 FCC (USA) Part 15, Subpart B Class CE (Europe) : EN55022:2006+A1:200 EN55024:1998+A1:2001+A2:2003
	Internal Player (Embedded H/W)	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Storage (FDM) Storage (FDM) Muttimedia IO Ports Operating System Safety	IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGLES 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(U- SA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe) : EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 N/A	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR41.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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(U- SA) : cUL60950-1 FCC (USA) Part15, Subpart B Class A / CE (Europe) : EN55022:2006+A1:2007, EN55022:2005	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape In lation Support, Auto Brightness Contro Ambient Brightness Sensor, Temperal Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clo Keeping), WiFi Module Embedded Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7680x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Avail Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UH H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 5.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-1 UL(USA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class CE (Europe) : EN55022:2006+A1:200 EN55024:1998+A1:2001+A2:2003 N/A
	Internal Player (Embedded H/W)	Special Processor On-Chip Cache Memory Clock Speed Main Memory Interface Graphics Graphics Storage (FDM) Storage (FDM) IO Ports Operating System Safety EMC	 IP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 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(U- SA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CE (Europe) : FNS5022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 	any direction, Portrait /Landscape Installation Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB 1.7GHz 2.5GB, LPDDR4 1.5GHz 64bit Graphic resolution : 1920x1080 / Output reso- lution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES 8GB (3.88GB Occupied by 0/S, 4.12GB Available) Video Decoder - MPEG-1/2/4, H263, H.264/AVC, UHD H.264/ AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP9, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 4.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-1 / UL(U- SA) : cUL60950-1 FCC (USA) Part 15, Subpart B Class A / CC (Europe) : SN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003	IP 5X rated, Polarized Sun Glasses View in any direction, Portrait /Landscape Ir lation Support, Auto Brightness Contro Ambient Brightness Sensor, Tempera Sensor, RJ45 MDC, Auto Source Switcl & Recovery, Clock Battery(80hrs Clic (Keeping), WiFi Module Embedded Cortex A72 1.7GHz Quad-Core CPU L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2M 1.7GHz 2.5GB, LPDDR4 1600MHz 64bit Graphic resolution : 1920x1080 Output resolution : 7880x4320 (Scale from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Avail Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UI H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VPB, Audio Decoder - AC3 (DD), MPEG USB 2.0 Tizen 5.0 (VDLinux) CB (Europe) : IEC60950-1/EN60950-1 UL(USA) : cuL60950-1 FCC (USA) Part 15, Subpart B Class CE (Europe) : EN55022:2006+A1:200 EN55024:1998+A1:2001+A2:2003