

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/OMP series is compatible with any window layout and highlights the conhisticated and modern style

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

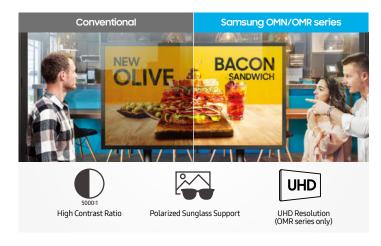
The evolution of advertising displays in retailer's windows has dramatically changed over the years, as well as the expectations of the consumers passing by a store. Marketing began with static, printed banners, but quickly moved to digital signage as consumers became more responsive to engaging videos 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 (OM46N)
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



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.



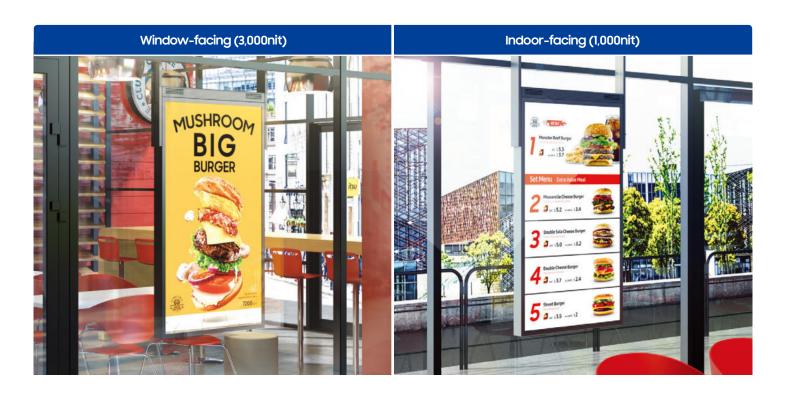
Deliver vibrant content with efficiency

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?

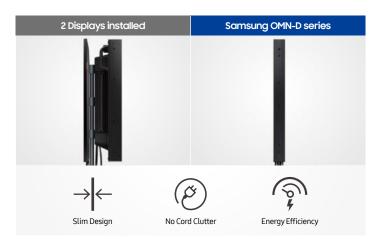
Samsung's OMN-D Series is a dual display with screens on both sides, allowing retailers to maximize messaging. The window-facing screen features bright visuals and prominent positioning, giving passersby motivation to enter the store. Once inside, indoor-facing displays enhance the shopping experience 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

Feature Feature Processor On-Chip Cache Memory Clock Resping) Feature Processor On-Chip Cache Memory Clock Battery (Rohn Cache: 2MB, Li Data Cache: 32MB, Li Cache: 2MB, Li Data Cache: 32MB, Li Cache: 2MB, Li Data Cache: 32MB, Li Cache: 3		Model		OM46N	OM55N	OM75R
Control Cont		Disc. 15	Class	46	55	75
Parel		Diagonal Size	Measured	45.9" / 116.8cm	54.6" / 138.7cm	
Direct Margin processing				120Hz E-LED BLU	120Hz E-LED BLU	120Hz D-LED BLU
Mail Registeracy Mail Regis		7.1		1920x1080 (16:9)	1920x1080 (16:9)	3840 x 2160 (16:9)
Part		Pixel	Pitch(mm)	0.530 x 0.530	0.530 x 0.530	0.430 x 0.430
Contract State Section			• •			
Wilder Segree State Color State Colo	Panel					
Procession Process P	Tunet					
Display Color Display Color Display Color Display Color Display Color Display Disp						
Consideration		•				
Commission Com		, ,				
Marte						
Disparation CR		·				
Same				-	-	
Second S	Dianlau	H-Scanning Frequency		30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)	30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)	15~81KHz (HDMI), 30~135KHz (DP)
Special Communication	Display			30 ~ 75Hz (DP), 24 ~ 75Hz (HDMI)	30 ~ 75Hz (DP), 24 ~ 75Hz (HDMI)	24~75Hz (HDMI), 30~75Hz (DP)
Part		, ,				
Paper Window Hight High Hig	Sound	Spe				
Page						
Martine Mart		logert				
Carnets/Wild		Input				
Connectivity						
Vision V						
Output	Connectivity					
Power Out NA		Output				
External Cortrol External Cortrol External Sersor Deat-challe type (ife, Ambient) N/A Internal				N/A	N/A	N/A
External Sensor Detachable (sp. 00 R, Ambient) Detachable (sp. 00 R, Ambient) Detachable (sp. 00 R, Ambient) N/A N				N/A		N/A
Power Power Supply						
Power Supply					** .	
Power Power Power Max(Wh) AC100 - 240 \(\text{-}(-1/10 \) \) \$36.00 \(\text{-}12 \) \$35.0 \\						
Power		_				
Power Power Power Consumption Study		Pov				
Power Consumption Sile District Sile			Max[M/II]			990
Consumption	Power	Dower	Typical[W/h]			411W(EU), 600W(US/KOR/ETC)
Dimension(mm)			BTU (Max)			3376
Dimersion/mm			Sleep mode	0.5W	0.5W	less than 0.5W
Dimensionform Package 1189 x75 x158 mm 1420 x87 x178 mm 1890 x1144 x255 38kg 32x1 kg 38kg 50.5kg 22kg 22kg 22kg 28kg 50.5kg 5			Off mode	0.5W	0.5W	less than 0.5W
Mechanical Spec Package T189 x79 x158 mm 18/0 x89 x178 mm 18/0 x114x 225 38/8g 23.13 mg 38/8g 50.5 kg 75.5		Dimension(mm)	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
Protection class		Dimension(mm)				
Pectation Pectage		Weight (kg)		_	-	-
Protection class				-		
Stand Type	Spec					
Operation Operating Importance Operating Ope						
Operation Operating Temperature			· '			
Peature Peat		Oneretie	a Tanan anakuna		0°C~ 30°C (Direct Sunlight),	
Feature Feature High brightness Window Display Sim & Clean back design Built-in Magicinfo Player 5, SSSP 6.0	Operation	,	·			
Slim & Clean back design		Н	umidity			
Built-in MagicInfo Player SG, SSSP AD			Kev			
Feature Feature Processor Control with Ambient Brightness Sensor, Ray 5 MpC, Auto Source Switching & Recovery, Clock Battery/80hrs (Clock Keeping) On-Chip Cache Memory Clock Speed Main Memory Interface More Strange (FDM) Storage (FDM) Storage (FDM) Certification EMC Certification EMC Accessories Accessories Included Included Accessories Ac			icy			
Special Support, Lamp Error Detection, Auto Bright- ness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(RB)ns Clock Keeping) Coretx A72.17GHz Quad-Core CPU L1 Instruction Cache - 48KB, L1 Data Cache - 32KB, L2 Cache : 2MB 1.7GHz Clock Speed Main Memory Interface Graphics Graphics Graphic solution - 1920x1080 / Output resolution - 1920x108						IP 5X rated, Polarized Sun Glasses Viewable
Feature Processor Correl with Ambient Brightness Sensor, Temperature Sensor, RLB MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Coretex A72176Hz Quad-Core CPU L1 Instruction Cache: 48KB, L1 Data Cache: 32KB, L2 Cache: 2MB L1 Data Cac						
Feature Processor Clock Keeping) Coretex A721,7GHz Quad-Core CPU Clock Keeping) Coretex A721,7GHz Quad-Core CPU L1 Instruction Cache: 48KB, L1 Data Cache: 32KB, L2 Cache: 2MB L1 Dat		9	Special			Ambient Brightness Sensor, Temperature
Feature				Temperature Sensor, RJ45 MDC, Auto Source	Temperature Sensor, RJ45 MDC, Auto Source	Sensor, RJ45 MDC, Auto Source Switching
Processor						
Feature			Processor			1 3.7
Feature						
Main Memory Interface			, ,	L1 Data Cache : 32KB, L2 Cache : 2MB	L1 Data Cache : 32KB, L2 Cache : 2MB	L1 Data Cache : 32KB, L2 Cache : 2MB
Graphics Graphic resolution: 1920x1080 / Output resolution:	Feature					
Internal Player (Embedded H/W) Storage (FDM) Storage (FD			Main Memory Interface			
Internal Player (Embedded H/W) Storage (FDM) Stor			Graphics			
Storage (FDM) Storage (FDM		Internal Di-	diapilics			
Multimedia			Storage (EDM)	8GB	8GB	8GB
Multimedia			Storage (FDIM)			(3.88GB Occupied by O/S, 4.12GB Available)
Multimedia						
VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG USB 2.0			Multimedia			
Certification Safety Safety Safety Safety Safety Safety Section Sect						- VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9
Safety Safety CB (Europe) : IEC60950-1/EN60950-1 / UL(U-SA) : CB (Europe			IO Porte			
Certification						
Certification EMC Environment Accessories Included SA): cUL60950-1 S						
CE (Europe): EN55022:2006+A1:2007, EN55022:2006+A1:2007, EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 Environment CE (Europe): EN55022:2006+A1:2007, EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 EN55024:19		Safety				
EMC CE (Europe): ENSSUZ2:2006+A1:2007, CE (Europe):	Certification	TMC				
Accessories Included N/A N/A		EMC				
Accessories Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor Batteries, IR, Ambient sensor		Environment				
Accessories IR, Ambient sensor IR, Ambient sensor Batteries, IR, Ambient sensor Batteries, IR, Ambient sensor				Quick Setup Guide, Regulatory Guide, Warranty	Quick Setup Guide, Regulatory Guide, Warranty	Quick Setup Guide, Regulatory Guide, War-
ik, Ambient sensor ik, Ambient sensor batteries, ik, Ambient sensor	Accessories	lı	ncluded			ranty Card, Power Cord, Remote Controller,
Optional Media Player N/A N/A N/A		Optional Media Player				
Optional Food age. 1971		Optionat	cuia i tayei	14//	14//	14//

Installation Support, Lamp Error Detection, Auto Brightness Control with Ambient Brightness Sensor, R145 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping) Processor	Model			OM46N-D	OM55N-D
Measured			Class	46	55
Pace		Diagonal Size	Measured	45.9" / 116.8cm	54.6" /138.7cm
Part Provided			Туре	120Hz E-LED BLU	120Hz / 60Hz E-LED BLU
PubMed March Control Ma		Re	esolution	1920x1080 (16:9)	1920x1080 (16:9)
Prince		Pixel	Pitch(mm)	0.530 x 0.530	0.530 x 0.530
Part		Active Di	splay Area(mm)	1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)
Contract Residu	Panel	Brigh	ntness(Typ.)	3,000 / 1,000 cd/m2	3,000 / 1,000 cd/m2
Response Team/Line-Go Gers Rest 1-50M	ranet	Con	trast Ratio	5,000:1	5,000:1
Display Colors		Viewing Angle(H/V)		178/178	
Coverling		Response Time(G-to-G)			
Part					
March Marc					
M-Scanning-Prospectory No. 1594-bit (PMD) 15-1594-bit (PMD) 24-7-97-bit (PMD)		•			
Description					
Monitum Fine Fire parts Fine Fi	Dicplay				
Sound Speaker type	Display				
Figure Major Maj	Sound			, ,	
Part	Souria	эрс			
Power					
Correctivity		Input			
Cornectivity Page					
Connectivity					
Power Consumption Fower Fowe					
Power	Connectivity		Video	N/A	N/A
Determination Processor Detectable Type (IR, Ambient (Durdoor Only)) Detectable Type (IR, Ambient (Durdoor Only		Output	Audio	N/A	N/A
External Centrol PS252C (m), RJ45 (m) PS252C (m), RJ45 (m) PS252C (m), RJ45 (m) Detachable Type (R, Ambient (Dutdoor Only)) Detachable Type (R, Ambi			Power Out	N/A	N/A
External Sensor			USB	N/A	N/A
Tuner		Exter	rnal Control	RS232C (In), RJ45 (In)	RS232C (In), RJ45 (In)
Power Powe		External Sensor		Detachable Type (IR, Ambient (Outdoor Only))	Detachable Type (IR, Ambient (Outdoor Only))
Power Power Power Power MacWhit Ma			Tuner	N/A	N/A
Power					
Power Consumption		Pov			
Power Consumption Siesp mode					
Consumption Siep mode 1W 1W 1W 1W 1W 1W 1W 1	Power	Power			
Dimension(mm)					
Dimension(mm)					
Mechanical Spec Package Protection Set 3.2kg 4.2kg					
Mechanical Spec		Dimension(mm)			
Mechanical Spec VESA Mount N/A N/A N/A					
Protection Glass	Mechanical	Weight (kg)		-	-
Stand Type				-	
Departing Temperature				N/A	N/A
Operation Operating Temperature Humidity O°C-30°C (Direct Sunlight), 0°C-40°C (w/o Direct Sunlight) 10-80% Key Dual Display/ Slim design Window Display Built-in Magicinfo Player 56, SSSP 6.0 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, R145 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keepin) Coretx A72 176Hz Quad-Core CPU Clock Speed On-Chip Cache Memory Clock Speed Internal Player (Embedded H/W) Multimedia Operating Temperature Operating Temperature Operating System Certification EMC Emvironment Operating Temperature Operating Temperature Spos, SSSP 6.0 IIP 5X rated, Polarized Sun Glasses Viewable in any direction, Portrait Installation Support, Lamp Error Detection, Auto Brightness Control Installation Support, Lamp Error Detection, Auto Brightness Control Installation Support, Lamp Error Detection, Auto Brightness Control Installation Support, Lamp Err		Stand Type		N/A	N/A
Name		Bezel	Width (mm)	22.8 (even)	22.8 (even)
New To-80% To-8	Operation	Operatir	ng 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)
Special Spe	Operation	Н	lumidity	10~80%	10~80%
P5X rated, Polarized Sun Glasses Viewable in any direction, Portrait 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) Coretex A72 1.7GHz Quad-Core CPU			Key		
Feature				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	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, R.45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping)
Clock Speed 1.7GHz 1.7GH					
Main Memory Interface					L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB
Graphics Graphics Graphic resolution : 1920x1080 / Output resolution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES	_		•		
Internal Player (Embedded H/W) Storage (FDM) 8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder Video Deco	Feature		Main Memory Interface		•
Storage (FDM) 8GB (3.88GB Occupied by O/S, 4.12GB Available) 8GB (3.88GB Occupied by O/S, 4.12GB Available) Video Decoder			Graphics		Graphic resolution: 1920x1080 / Output resolution: up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES
Video Decoder			Storage (FDM)		
Operating System Tizen 4.0 (VDLinux) Tizen 4.0 (VDLinux)				- 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	- 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
Certification 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 Environment N/A N/A N/A					
Certification 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 Environment N/A N/A					
	Certification		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
Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord					N/A Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord,
Accessories Remote Controller, Batteries, IR, Ambient sensor Remote Controller, Batteries, IR, Ambient sensor	Accessories	lı .		Remote Controller, Batteries, IR, Ambient sensor	Remote Controller, Batteries, IR, Ambient sensor
Optional Media Player N/A N/A		Optional Media Player		N/A	N/A

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2019-10

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