



# Samsung SMART Signage Window Display OMN, OMN-D, OMR series

Promote content with exceptional clarity in any storefront window

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.



\* "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 disrupting 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

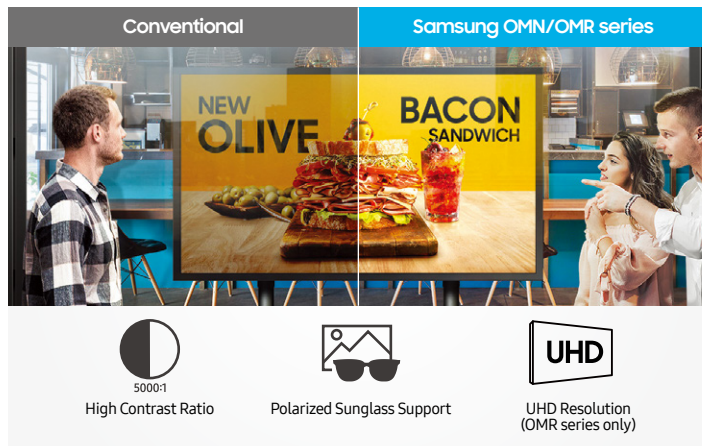
The evolution of advertising displays in retailer's windows has dramatically changed over the years, as well as the expectations of the consumers passing by a store. Marketing began with static, printed banners, but quickly moved to digital signage as consumers became more responsive to engaging videos 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           |
|--|-------|-------------------------------|------------------------------|--------------------------|
|  |       |                               |                              |                          |
| <b>Brightness</b>                      |       | <br>350-700nit                | <br>2,500nit                 | <br>4,000nit             |
| <b>Polarized sunglasses compatible</b> |       |                               |                              |                          |
| <b>Resistant to direct sunlight</b>    |       |                               |                              |                          |
| <b>Motion visuals</b>                  |       |                               |                              |                          |
| <b>Embedded software</b>               |       |                               |                              |                          |
| <b>Depth</b>                           |       | about 60mm<br>(QM49N)         | about 140mm<br>(OM46D-W)     | <b>54.5mm</b><br>(OM46N) |
| <b>Power consumption</b>               |       | It varies depending on models | 385w**<br>(OM46D-W)          | <b>350w**</b><br>(OM46N) |

\* 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.

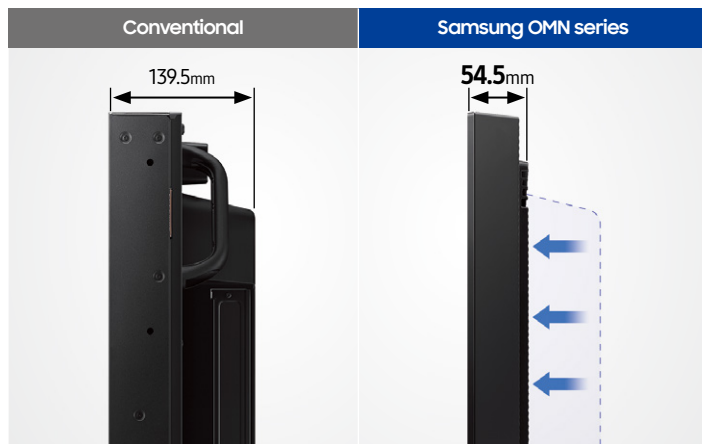
## Key features



### 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.

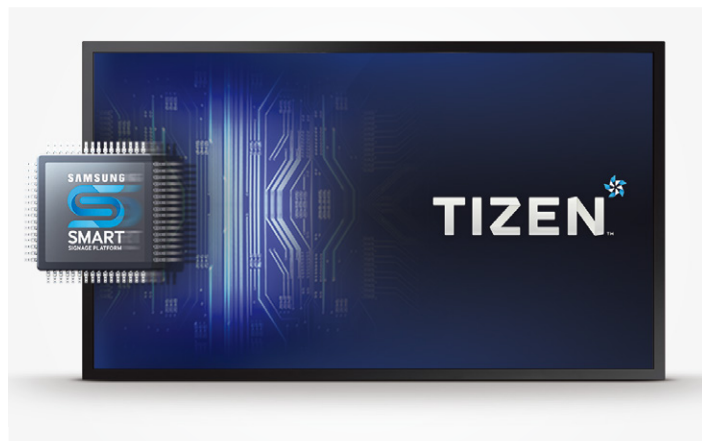


### Modernize space with slim design

Through innovative design, the OMN/OMR series delivers a real-to-life 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 Magi-INFO 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.



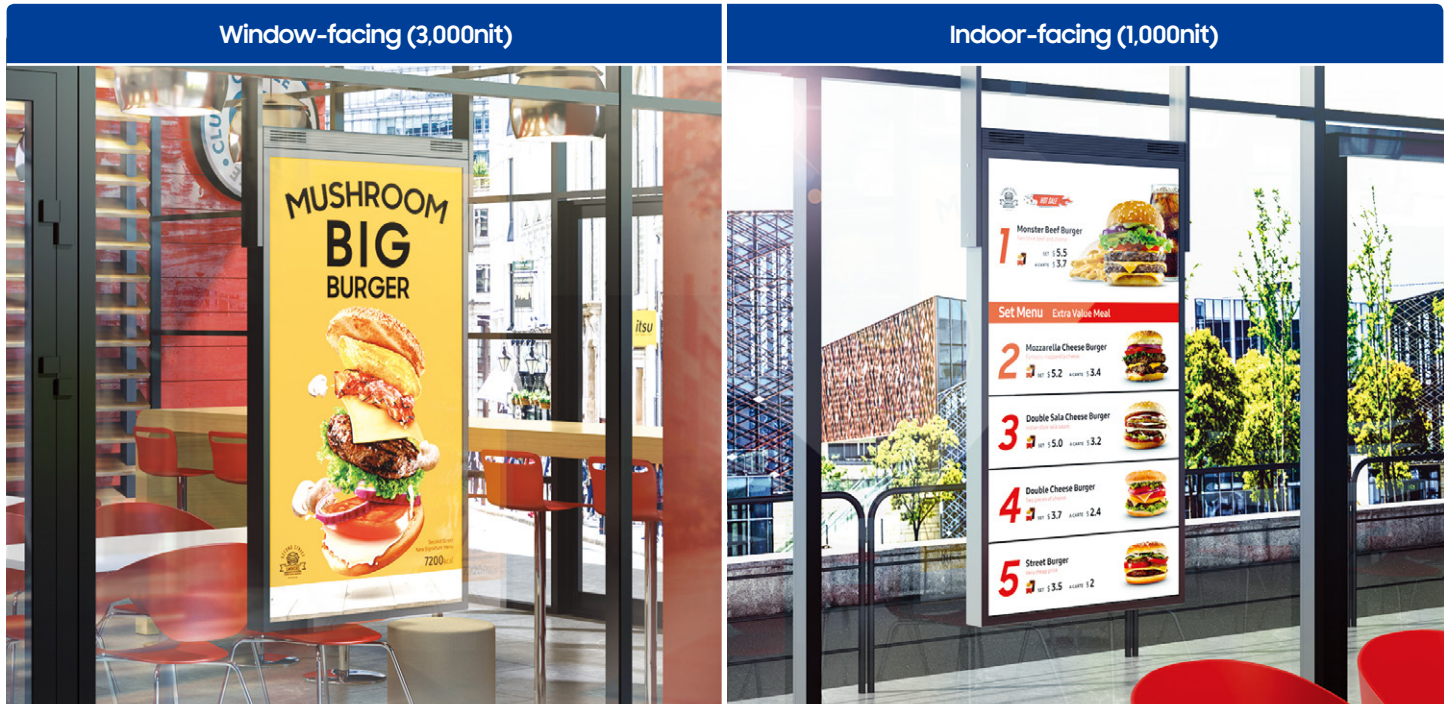
### Deliver vibrant content with efficiency

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.

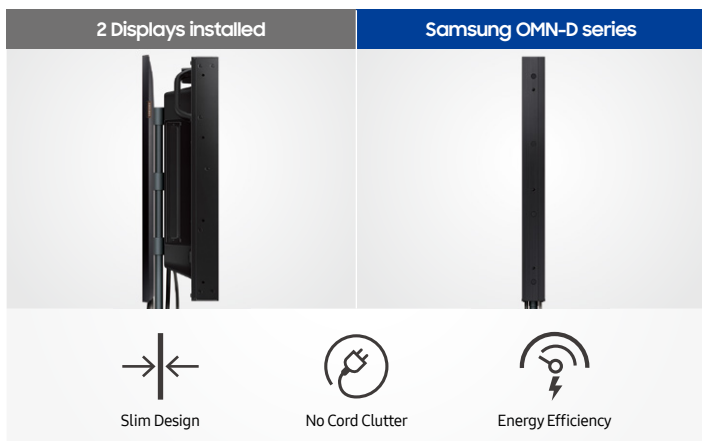
# Why Samsung OMN-D series?

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

| Model            |                                |                               | OM46N   | OM55N   | OM75R  |
|------------------|--------------------------------|-------------------------------|---|---|--|
| Panel            | Diagonal Size                  | Class                         | 46  | 55  | 75   |
|                  |                                | Measured                      | 45.9" / 116.8cm   | 54.6" / 138.7cm   | 74.5" / 189.3cm  |
|                  | Type                           |                               | 120Hz E-LED BLU   | 120Hz E-LED BLU   | 120Hz D-LED BLU  |
|                  | Resolution                     |                               | 1920x1080 (16:9)  | 1920x1080 (16:9)  | 3840 x 2160 (16:9)   |
|                  | Pixel Pitch(mm)                |                               | 0.530 x 0.530   | 0.530 x 0.530   | 0.430 x 0.430  |
|                  | 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)   |
|                  | Brightness(Typ.)               |                               | 4,000 cd/m2   | 4,000 cd/m2   | 4,000 cd/m2  |
|                  | Contrast Ratio                 |                               | 5,000:1   | 5,000:1   | 5,000:1  |
|                  | Viewing Angle(H/V)             |                               | 178/178   | 178/178   | 178/178  |
|                  | Response Time(G-to-G)          |                               | 6ms   | 6ms   | 6ms  |
|                  | Display Colors                 |                               | 8 bit - 16.7M   | 8 bit - 16.7M   | 8 bit - 16.7M  |
|                  | Color Gamut                    |                               | 72%   | 72%   | 72%  |
|                  | Operation Hour                 |                               | 24/7  | 24/7  | 24/7   |
|                  | Haze                           |                               | 0%  | 0%  | 0%   |
| Display          | Dynamic C/R                    |                               | -   | -   | 100,000:1  |
|                  | H-Scanning Frequency           |                               | 30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)  | 30 ~ 135kHz (DP), 15 ~ 135kHz (HDMI)  | 15~81KHz (HDMI), 30~135KHz (DP)  |
|                  | V-Scanning 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            | Speaker Type                   |                               | N/A   | N/A   | N/A  |
| Connectivity     | Input                          | RGB                           | Display Port 1.2 (1)  | Display Port 1.2 (1)  | Display Port 1.2 (1)   |
|                  |                                | Video                         | HDMI2.0 (2)   | HDMI2.0 (2)   | HDMI2.0 (2)  |
|                  |                                | 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)  |
|                  | Output                         | RGB                           | HDMI 2.0  | HDMI 2.0  | HDMI 2.0   |
|                  |                                | Video                         | Yes   | Yes   | Yes  |
|                  |                                | 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  |
|                  | External Control               |                               | RS232C (In/Out), RJ45 (In/Out)  | RS232C (In/Out), RJ45 (In/Out)  | RS232C (In/Out), RJ45 (In)   |
| External Sensor  |                                | Detachable Type (IR, Ambient) | Detachable Type (IR, Ambient)   | Detachable Type (IR, Ambient)   |  |
| Tuner            |                                | N/A                           | N/A   | N/A   |  |
| Power            | Type                           |                               | Internal  | Internal  | Internal   |
|                  | Power Supply                   |                               | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz  | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz  | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz   |
|                  | Power Consumption              | Max[W/h]                      | 350   | 450   | 990  |
|                  |                                | Typical[W/h]                  | W/W(EU) : 210, US/KOR/Etc : 330 ※ Etc: CHINA, TAIWAN, BRA, CIS  | W/W(EU) : 276, US/KOR/Etc : 420 ※ Etc: CHINA, TAIWAN, BRA, CIS  | 411W(EU), 600W(US/KOR/ETC)   |
|                  |                                | BTU (Max)                     | 1194  | 1536  | 3376   |
|                  |                                | Sleep mode                    | 0.5W  | 0.5W  | less than 0.5W   |
|                  |                                | Off mode                      | 0.5W  | 0.5W  | less than 0.5W   |
| Mechanical Spec  | 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  |
|                  |                                | Package                       | 1189 x 757 x 158 mm   | 1420 x 879 x 178 mm   | 1890 x 1144 x 225  |
|                  | Weight (kg)                    | Set                           | 18.2kg  | 23.1 kg   | 38kg   |
|                  |                                | Package                       | 23kg  | 28 kg   | 50.5kg   |
|                  | VESA Mount                     |                               | 400 x 400 mm  | 400 x 400 mm  | 400 x 400 mm   |
|                  | Protection Glass               |                               | N/A   | N/A   | N/A  |
|                  | Stand Type                     |                               | N/A   | N/A   | N/A  |
| Bezel Width (mm) |                                | 19.9 (even)                   | 19.9 (even)   | 23.9  |  |
| 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)  | 0°C~ 30°C (Direct Sunlight), 0°C~ 40°C (w/o Direct Sunlight)   |
|                  | Humidity                       |                               | 10~80%  | 10~80%  | 10~80%   |
| Feature          | Key                            |                               | High brightness Window Display Slim & Clean back design Built-in MagicInfo Player S6, SSSP 6.0  | High brightness Window Display Slim & Clean back design Built-in MagicInfo Player S6, SSSP 6.0  | High brightness Window Display Slim & Clean back design Built-in MagicInfo Player S7, SSSP 7.0   |
|                  | Special                        |                               | IP5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape 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) | IP5X rated, Polarized Sun Glasses Viewable in any direction, Portrait /Landscape 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, Portrait /Landscape Installation Support, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery(80hrs Clock Keeping), WiFi Module Embedded |
|                  | Internal Player (Embedded H/W) | Processor                     | Coretex A72 1.7GHz Quad-Core CPU  | Coretex A72 1.7GHz Quad-Core CPU  | Cortex 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 : 2MB   | L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB  |
|                  |                                | Clock Speed                   | 1.7GHz  | 1.7GHz  | 1.7GHz   |
|                  |                                | Main Memory Interface         | 2.5GB, LPDDR4 1.5GHz 64bit  | 2.5GB, LPDDR4 1.5GHz 64bit  | 2.5GB, LPDDR4 1600MHz 64bit  |
|                  |                                | Graphics                      | Graphic resolution : 1920x1080 / Output resolution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES  | Graphic resolution : 1920x1080 / Output resolution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES  | Graphic resolution : 1920x1080 / Output resolution : 7680x4320 (Scale up from graphic processing result.)  |
|                  |                                | Storage (FDM)                 | 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 Available)   |
|                  |                                | 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  | 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   | USB 2.0  |
| Operating System | Tizen 4.0 (VDLinux)            | Tizen 4.0 (VDLinux)           | Tizen 5.0 (VDLinux)   |   |  |
| Certification    | Safety                         |                               | CB (Europe) : IEC60950-1/EN60950-1 / UL(U-SA) : cUL60950-1  | CB (Europe) : IEC60950-1/EN60950-1 / UL(U-SA) : cUL60950-1  | CB (Europe) : IEC60950-1/EN60950-1 / UL(U-SA) : cUL60950-1   |
|                  | 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   | 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  |
| Accessories      | Included                       |                               | Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor  | Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor  | Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor   |
|                  | Optional                       | Media Player                  | N/A   | N/A   | N/A  |

| Model            |                                |  | OM46N-D  | OM55N-D  |   |
|------------------|--------------------------------|--|--|--|---|
| Panel            | Diagonal Size                  | Class  | 46   | 55   |   |
|                  |                                | Measured                                     | 45.9" / 116.8cm  | 54.6" / 138.7cm  |   |
|                  | Type                           |  | 120Hz E-LED BLU  | 120Hz / 60Hz E-LED BLU   |   |
|                  | Resolution                     |  | 1920x1080 (16:9)   | 1920x1080 (16:9)   |   |
|                  | Pixel 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)   |   |
|                  | 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)   |   |
|                  | Display Colors                 |  | 8 bit - 16.7M  | 8 bit - 16.7M  |   |
|                  | Color Gamut                    |  | 72%  | 72%  |   |
|                  | Operation Hour                 |  | 24/7   | 24/7   |   |
|                  | Haze                           |  | 0%   | 0%   |   |
| Display          | H-Scanning Frequency           |  | 15 ~ 135kHz (HDMI)   | 15 ~ 135kHz (HDMI)   |   |
|                  | V-Scanning Frequency           |  | 24 ~ 75Hz (HDMI)   | 24 ~ 75Hz (HDMI)   |   |
|                  | Maximum Pixel Frequency        |  | 594MHz (HDMI)  | 594MHz (HDMI)  |   |
| Sound            | Speaker Type                   |  | N/A  | N/A  |   |
| Connectivity     | Input                          | RGB  | N/A  | N/A  |   |
|                  |                                | Video  | HDMI2.0 (2)  | HDMI2.0 (2)  |   |
|                  |                                | HDCP   | HDCP 2.2   | HDCP 2.2   |   |
|                  |                                | Audio  | N/A  | N/A  |   |
|                  |                                | USB  | USB 2.0 (2)  | USB 2.0 (2)  |   |
|                  | Output                         | RGB  | N/A  | N/A  |   |
|                  |                                | Video  | N/A  | N/A  |   |
|                  |                                | Audio  | N/A  | N/A  |   |
|                  |                                | Power Out                                    | N/A  | N/A  |   |
|                  |                                | USB  | N/A  | N/A  |   |
|                  | External Control               |  | RS232C (In), RJ45 (In)   | RS232C (In), RJ45 (In)   |   |
| External Sensor  |                                | Detachable Type (IR, Ambient (Outdoor Only)) | Detachable Type (IR, Ambient (Outdoor Only))   |  |   |
| Tuner            |                                | N/A  | N/A  |  |   |
| Power            | Type                           |  | Internal   | Internal   |   |
|                  | Power Supply                   |  | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz   | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz   |   |
|                  | Power Consumption              | Max[W/h]                                     | 380  | 500  |   |
|                  |                                | 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, CIS  |   |
|                  |                                | BTU (Max)                                    | 1297   | 1706   |   |
|                  |                                | Sleep mode                                   | 1W   | 1W   |   |
| Off mode         |                                | 1W   | 1W   |  |   |
| Mechanical Spec  | 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   |   |
|                  |                                | Package                                      | 39.5kg   | 52kg   |   |
|                  | VESA Mount                     |  | N/A  | N/A  |   |
|                  | Protection Glass               |  | N/A  | N/A  |   |
|                  | Stand Type                     |  | N/A  | N/A  |   |
| Bezel Width (mm) |                                | 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)   |   |
|                  | Humidity                       |  | 10~80%   | 10~80%   |   |
| Feature          | Key                            |  | Dual Display / Slim design Window Display<br>Built-in MagicInfo Player S6, SSSP 6.0  | Dual Display / Slim design Window Display<br>Built-in MagicInfo Player S6, SSSP 6.0  |   |
|                  | Special                        |  | IP5X 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) | IP5X 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) |   |
|                  | Internal Player (Embedded H/W) | Processor                                    | Coretex A72 1.7GHz 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 : 2MB  |   |
|                  |                                | Clock Speed                                  | 1.7GHz   | 1.7GHz   |   |
|                  |                                | Main Memory Interface                        | 2.5GB, LPDDR4 1.5GHz 64bit   | 2.5GB, LPDDR4 1.5GHz 64bit   |   |
|                  |                                | Graphics                                     | Graphic resolution : 1920x1080 / Output resolution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES   | Graphic resolution : 1920x1080 / Output resolution : up to 3840x2160 (Scale up from graphic processing result.) - Supports OpenGL ES   |   |
|                  |                                | Storage (FDM)                                | 8GB (3.88GB Occupied by O/S, 4.12GB Available)   | 8GB (3.88GB Occupied by O/S, 4.12GB Available)   |   |
|                  |                                | Multimedia                                   | Video Decoder  | - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC  | Video Decoder<br>- MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC            |
|                  |                                |  | Audio Decoder  | - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9<br>Audio Decoder - AC3 (DD), MPEG  | - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9<br>Audio Decoder - AC3 (DD), MPEG |
| IO Ports         |                                | USB 2.0                                      | USB 2.0  |  |   |
| Operating System | Tizen 4.0 (VDLinux)            | Tizen 4.0 (VDLinux)                          |  |  |   |
| Certification    | Safety                         |  | CB (Europe) : IEC60950-1/EN60950-1 / UL(USA) : cUL60950-1  | CB (Europe) : IEC60950-1/EN60950-1 / UL(USA) : cUL60950-1  |   |
|                  | 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  |   |
| Accessories      | Included                       |  | Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor   | Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, IR, Ambient sensor   |   |
|                  | Optional                       | Media Player                                 | N/A  | N/A  |   |

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## **For more information**

For more information about Samsung Window Display, visit [www.samsung.com/business](http://www.samsung.com/business) or [www.samsung.com/displaysolutions](http://www.samsung.com/displaysolutions)

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