# Vitalize True Colors of UHD Content in a Smart Way

## UM3E Series

As an Ultra HD large display, the UM3E series delivers content in a fine detail with vivid colors enough to captivate numerous viewers. Equipped with high compatibility and intuitive user interface, the product allows you to easily connect and coordinate other devices or to manage content in a meeting room or in retail stores.
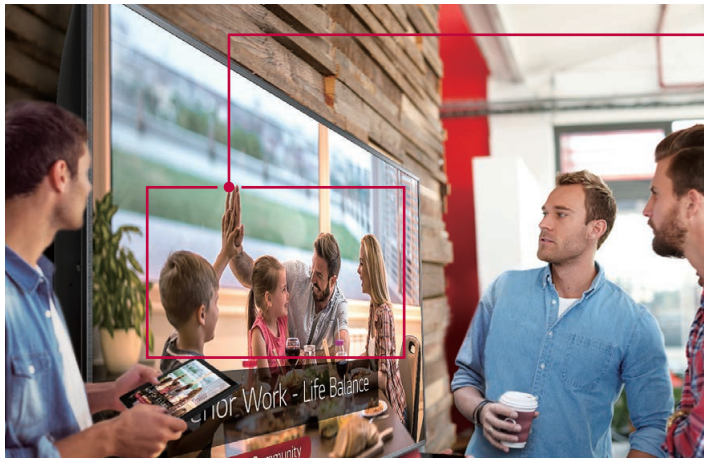
LG | Business Solutions

# Vitalize True Colors of UHD Content in a Smart Way
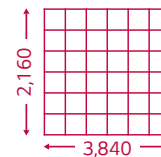## UM3E Series

### Superior Picture Quality

**True Color, Immersive View**

The UM3E series is large enough to display content and get undivided attention from various viewers. LG IPS panel features a wide range of angle to deliver clear content regardless of the position of viewers. Each pixel in the IPS panel reproduces image colors true-to-life, without distortion.
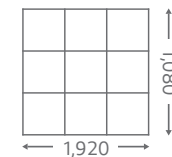
**Vivid Color Details with Ultra HD**

The UHD resolution allows users to view details even when zooming in on the display, with four times higher definition than FHD. The UL3E ensures stable UHD video playback with HEVC (High Efficiency Video Coding).



2,160
3,840

**HEVC DECODER**

**ULTRA HD**  FULL HD

1,080
1,920

# Vitalize True Colors of UHD Content in a Smart Way
## UM3E Series

## Powerful webOS Smart Signage Platform

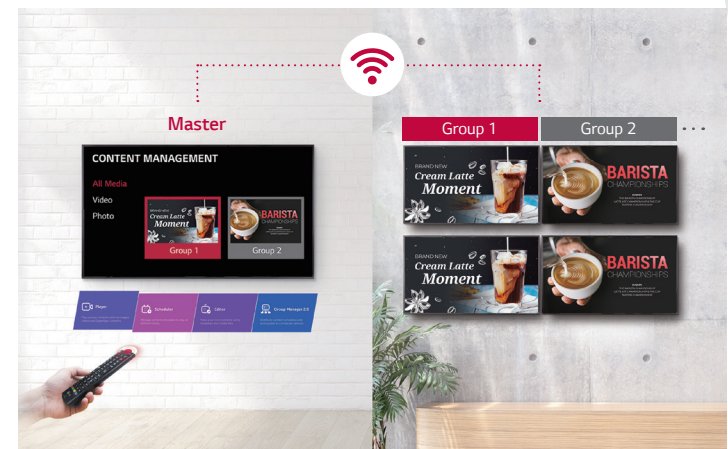### Easy Content Management

The embedded CMS (Content Management System) allows you to create and edit content using internal/external sources as well as set playlists to play at the desired schedule without the need for a separate PC. Thanks to the intuitive GUI and a menu structure based on usage scenarios, content management has been made much easier.



Player    Editor    Scheduler

### Simple Group Management

The embedded Group Manager makes a master display work as a server and manage other displays[1] connected on the same network. This way you can group and control multiple displays in your place of business and distribute playlists to them all at once, using input devices such as a remote control.



1) One master display can create a max. of 25 groups, and each group can consist of a max. of 12 slave displays.

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## UM3E Series

### Powerful webOS Smart Signage Platform

**Various Sensor Applications**

LG webOS smart signage platform easily supports connections with external sensors such as GPIO, NFC/RFID, temperature sensors, etc. via USB plug-in. The overall cost of ownership is more affordable because no need to purchase additional software or media players for creating value-added solutions.

**Multi Screen Mode**

PBP (Picture-By-Picture) features multi screen in a single display with up to 4 input sources while PIP (Picture-In-Picture) supports playing both main screen and sub screen at the same time with various layouts. This gives great flexibility to allocate space for each content souce.



No need for a media player or software.

BEAUTIFUL DAY
SALE
UP TO 50% OFF

USB

NEW

Thermal Printer | Optical Sensor | Temperature & Humidity | Pressure | NFC/RFID | GPIO



4PBP | PIP

## Vitalize True Colors of UHD Content in a Smart Way
## UM3E Series

### Wireless Solution

**Content Sharing**

Content Mirroring among devices is more convenient on a Wi-Fi network.

**Real-time Promotion**

With Beacon and BLE (Bluetooth Low Energy), shop managers can provide coupons and information in real-time.

**Wireless Access Point**

The UM3E series operates as a virtual router which can be an wireless access point for mobile devices.

# Vitalize True Colors of UHD Content in a Smart Way
## UM3E Series

### High Compatibility

#### Compatibility with AV Control System

The UM3E series has been certified Crestron Connected® for a higher level of compatibility with professional AV controls to achieve seamless integration and automated control [1], boosting business management efficiency.



1) Network based control

#### Compatibility with Video Conference System
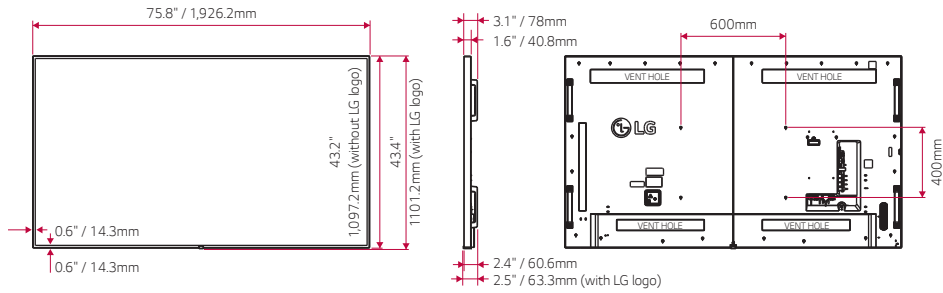
For the optimum visual meeting, the UM3E has certified its compatibility with Cisco Spark Room Kits, a system that offers powerful and integrated control [1] for a smarter video conference, eliminating a waste of time to set up the picture quality or to change input on incoming calls.
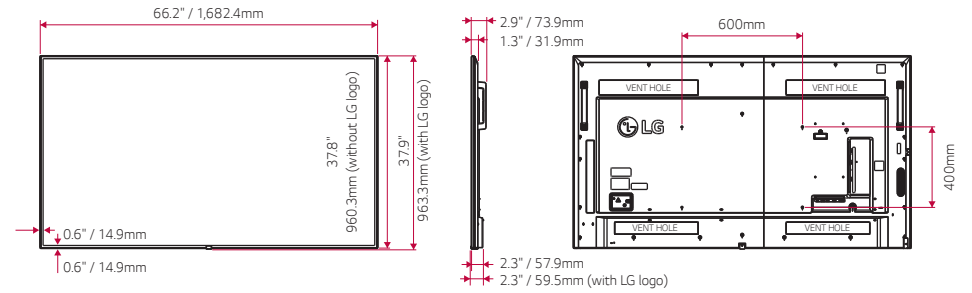


1) The integrated control of the display and Cisco system is enabled through the HDMI cable connection.
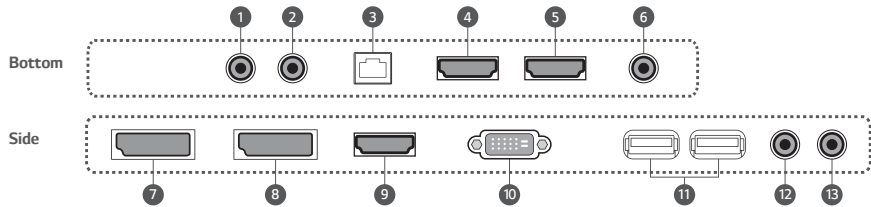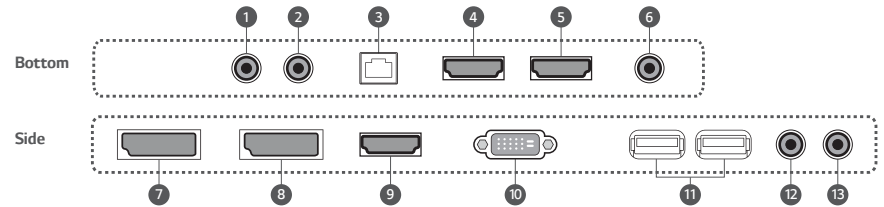
# Dimensions

## 86"

3.1" / 78mm
1.6" / 40.8mm
600mm

75.8" / 1,926.2mm

43.2" (without LG logo)
1,097.2 mm

43.4" (with LG logo)
1101.2mm (with LG logo)

0.6" / 14.3mm
0.6" / 14.3mm

VENT HOLE
VENT HOLE
LG
VENT HOLE
VENT HOLE

400mm

2.4" / 60.6mm
2.5" / 63.3mm (with LG logo)

## 75"

2.9" / 73.9mm
1.3" / 31.9mm
600mm

66.2" / 1,682.4mm

37.8" (without LG logo)
960.3mm

37.9" (with LG logo)
963.3mm (with LG logo)

0.6" / 14.9mm
0.6" / 14.9mm

VENT HOLE
VENT HOLE
LG
VENT HOLE
VENT HOLE

400mm

2.3" / 57.9mm
2.3" / 59.5mm (with LG logo)

# Connectivity

## 86"

Bottom: ① ② ③ ④ ⑤ ⑥

Side: ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

| | | | | | |
|---|---|---|---|---|---|
| ① AUDIO IN | | ⑥ IR & LIGHT SENSOR | | ⑪ USB IN | |
| ② AUDIO OUT | | ⑦ DP IN | | ⑫ RS232C IN | |
| ③ LAN | | ⑧ DP OUT | | ⑬ RS232C OUT | |
| ④ HDMI IN 1 | | ⑨ HDMI 3 | | | |
| ⑤ HDMI IN 2 | | ⑩ DVI-D IN | | | |

## 75"

Bottom: ① ② ③ ④ ⑤ ⑥

Side: ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

| | | | | | |
|---|---|---|---|---|---|
| ① AUDIO IN | | ⑥ IR & LIGHT SENSOR | | ⑪ USB IN | |
| ② AUDIO OUT | | ⑦ DP IN | | ⑫ RS232C IN | |
| ③ LAN | | ⑧ DP OUT | | ⑬ RS232C OUT | |
| ④ HDMI IN 1 | | ⑨ HDMI 3 | | | |
| ⑤ HDMI IN 2 | | ⑩ DVI-D IN | | | |

\* Dimensions & Jack Panels (Read/Side) may differ from the above image, so please contact LG salesteam to verify before ordering.

# Specifications

| | | | 86UM3E | 75UM3E |
|---|---|---|---|---|
| **PANEL** | | MODEL | 86UM3E | 75UM3E |
| | | Screen Size | 86 | 75 |
| | | Panel Technology | IPS | IPS |
| | | Back Light Type | Edge | Edge |
| | | Aspect Ratio | 16:9 | 16:9 |
| | | Native Resolution | 3840 x 2160 (UHD) | 3840 x 2160 (UHD) |
| | | Refresh Rate | 240Hz | 120Hz |
| | | Brightness (Typical) | 350 nits | 350 nits |
| | | Contrast Ratio | 1,200:1 | 1,200:1 |
| | | Dynamic CR | 500,000:1 | 2,000,000:1 (DTV Label only) |
| | | Color gamut | NTSC: 72% | NTSC: 72% |
| | | Viewing Angle (H x V) | 178° x 178° | 178° x 178° |
| | | Color Depth | 10BIT, 1.07 Billion | 10BIT, 1.06 Billion |
| | | Response Time (G to G) | 8 ms | 6 ms |
| | | Surface Treatment (Haze) | Haze 3% | Haze 3% |
| | | Life time (Typical) | 30,000 Hrs | 50,000 Hrs |
| | | Operation Hours | 16 Hrs | 24 Hrs |
| | | Orientation | Landscape | Portrait & Landscape |
| | | Overlay Touch Compatibility | No | Yes |
| **INPUT** | Digital | HDMI | Yes (3), HDCP2.2 | Yes (3), HDCP2.2 |
| | | DP | Yes (1), HDCP1.3 | Yes (1), HDCP1.3 |
| | | DVI-D | Yes (1) | Yes (1) |
| | Analog | RGB | No | No |
| | | Audio In | Yes (1) | Yes (1) |
| | External Control | RS232C IN | Yes (1) | Yes (1) |
| | | RJ45(LAN) | Yes (1) | Yes (1) |
| | | IR IN | Yes (1) | Yes (1) |
| | | Pixel Sensor | No | No |
| | | USB | Yes (2), USB2.0 | Yes (2), USB2.0 |
| | | SD Card(SDHC/Full Size) | No | No |
| **OUTPUT** | | HDMI Out | No | No |
| | | DP Out | Yes (1) | Yes (1) |
| | | Audio Out | Yes (1, Off/Fixed/Variable) | Yes (1, Off/Fixed/Variable) |
| | | External Speaker Out | No | No |
| | External Control | RS232C OUT | Yes (3.5mm) | Yes (3.5mm) |
| | | RJ45(LAN) | No | No |
| **MECHANICAL SPECIFICATION** | | Bezel Color | Black | Black |
| | | Bezel Width (On Bezel) | 15.6 mm (On) / 14.3 mm (Off) | 15.9 mm (On) / 14.9 mm (Off) |
| | | Monitor Dimensions (W x H x D) | "1926.2mm x 1097.2mm x 60.6mm (without handle) " | "1682.4mm x 960.3mm x 57.9mm (without handle, without LG logo)" |
| | | Weight(Head) | 49 kg | 41.5 kg |
| | | Carton Dimensions (W x H x D) | 2073mm x 1260mm x 292mm | 1816mm x 1123mm x 228mm |
| | | Packed Weight | 61.1 kg | 49 kg |
| | | Handle | Yes | Yes |
| | | VESATM Standard Mount Interface | 600 x 400 | 600 x 400 |
| **HARDWARE** | | Internal Memory | 8GB (System 4GB + Available 3.6GB) | 8GB (System 4GB + Available 3.6GB) |
| | | Wi-Fi Built-in | Yes | Yes |
| | Sensors | Temperature Sensor | Yes | Yes |
| | | Auto Brightness sensor | Yes | Yes |
| | | Current Sensor | Yes | Yes |
| | | Local Key Operation | Yes | Yes |
| **SOUND** | | Speaker | Built in | Built in |
| **CERTIFICATION** | | Safety | IEC 60950-1 / EN 60950-1 / UL 60950-1 | IEC 60950-1 / EN 60950-1 / UL 60950-1 |
| | | EMC | FCC Class "A" / CE / KC | FCC Class "A" / CE / KC |
| | | ErP / Energy Star | NA/NA | NA/EPA7.0 |
| **Media Player Compatibility** | | OPS type compatible | Yes | Yes |
| | | External Media player Attatchable | Yes | Yes |
| **Language** | | Languages | English, French, German, Spanish, Italian, Korean , Chinese(Simplified), Chinese(Original), Portugues(Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portugues(Europe), Dutch, Czech, Greek | |

| | | | 86UM3E | 75UM3E |
|---|---|---|---|---|
| **Software** | | webOS ver. | webOS 4.0 | webOS 4.0 |
| | Embedded CMS | USB Auto Playback | Yes | Yes |
| | | Local Contents Scheduling | Yes | Yes |
| | | Group Manager | Yes | Yes |
| | | Fail over | Yes | Yes |
| | Image Customization | Booting Logo | Yes | Yes |
| | | No Signal | Yes | Yes |
| | Content Sync. | RS-232C | Yes | Yes |
| | | Local Network | Yes | Yes |
| | Multi-screen | PIP | Yes | Yes |
| | | PBP | Yes (4) | Yes (4) |
| | | Screen Share | Yes | Yes |
| | | Video Tag | Yes (2) | Yes (2) |
| | | Play via URL | Yes | Yes |
| | | OSD Rotation | Yes | Yes |
| | | Lock mode | Yes | Yes |
| | | Content Rotation | Yes | Yes |
| | | Gapless Playback | Yes | Yes |
| | | Tile Mode Setting | Yes (Max. 15x15) | Yes (Max. 15x15) |
| | | Setting Data Cloning | Yes | Yes |
| | | Firmware Update by Network | Yes | Yes |
| | | SNMP | Yes (Ver. 1.4) | Yes (Ver. 1.4) |
| | | ISM Mode (Image Sticking Minimization) | Yes | Yes |
| | | Auto Set ID | Yes | Yes |
| | | Status Mailing | Yes | Yes |
| | | Control Manager | Yes | Yes |
| | 3rd Party | Crestron Connected | Yes | Yes |
| | | DPM | Yes | Yes |
| | | On/Off Schedule | Yes | Yes |
| | | Holiday Schedule | Yes | Yes |
| | Power Mg+B83:B97mt. | Power on Status | Standby, PWR, LST | Standby, PWR, LST |
| | | Energy Saving | Yes | Yes |
| | | Smart Energy Saving | Yes | Yes |
| | | PM mode | Yes | Yes |
| | | Wake on LAN | Yes | Yes |
| | | Power on Delay | Yes | Yes |
| | | Daylight Saving Time | Yes | Yes |
| | | Beacon | Yes | Yes |
| | | HDMI-CEC | Yes | Yes |
| | | SI Server Setting | Yes | Yes |
| | | webRTC | Yes | Yes |
| **Environment Conditions** | | Operation Temperature | 32°F to 104°F / 0°C to 40°C | 32°F to 104°F / 0°C to 40°C |
| | | Operation Humidity | 10% to 80% | 10% to 80% |
| **ELECTRICAL** | | Power Supply | 100-240V~, 50/60Hz | 100-240V~, 50/60Hz |
| | | Power Type | Built-In Power | Built-In Power |
| | | Power (Typical) | 315 W | 160 W |
| | | Power (Max) | 345 W | 185 W |
| | | Smart Enegy Saving | 220.5 W | 112 W |
| | | DPM | 0.5 W | 0.5 W |
| | | Power off | 0.5 W | 0.5 W |
| **Software Compatibility** | | SuperSign CMS | Yes | Yes |
| | | SuperSign Control / Control+ | Yes | Yes |
| | | SuperSign White Balance | Yes (Sensor requried) | Yes (Sensor requried) |
| | | Signage 365 Care | Yes | Yes |
| **Accessories & Other** | | Accessories | Remote Controller(include battery 2ea), Power Cord, QSG, DP Cable(1.8M), Regulation Book, Phone to RS232C Gender | |
| | | Warranty | 3 Year Limited | 3 Year Limited |
| | | UPC | 7 19192 62493 1 | |