



4K Monitor For Creative Professionals

Digital Cinema 4K
4096 x 2160

▶ 31MU97C-B

31" class (31.0"/787.4mm diagonal)

▶ 31MU97Z-B

31" class (31.0"/787.4mm diagonal)



Features

1ST 4K MONITOR FOR SMALL MONITOR CATEGORY

31MU97 delivers Digital Cinema 4K with 4096x2160 Full HD and UHD resolution with pivot and height adjustment features for professionals. It makes work environments more convenient than ever and maximizes work productivity in any field of business.

DIGITAL CINEMA 4K

- Digital Cinema 4K (4096x2160) resolution delivers the optimal DCI film industry standard and provides more detailed content at 4096x2160 resolution

IPS DISPLAY WITH ADOBE RGB

- Color differences and color loss are minimized in the wide color gamut and color temperature that covers both the sRGB and CMYK color range.

SINGLE STREAM TRANSPORT

- Supports SST (Single Stream Transport) technology that delivers Digital Cinema 4K resolution from a single source.

DCI-P3 DIGITAL CINEMA COLOR STANDARD

- DCI-P3 Digital Cinema Color Standard reproduces the full dynamic range of shadow, color, saturation and brightness of content accurately.

Specifications

Native Display Resolution 4096 x 2160

High Brightness 320 cd/m²

Contrast Ratio 1,000: 1

5MS (G to G) Response Time,

Built-in Speakers

Tilt, Pivot, Height Adjustable, Base Detachable Stand

Vesa™ Compliant Wall Mountable

MAC Compatible

3-Year Limited Warranty Parts/Labor/Backlight



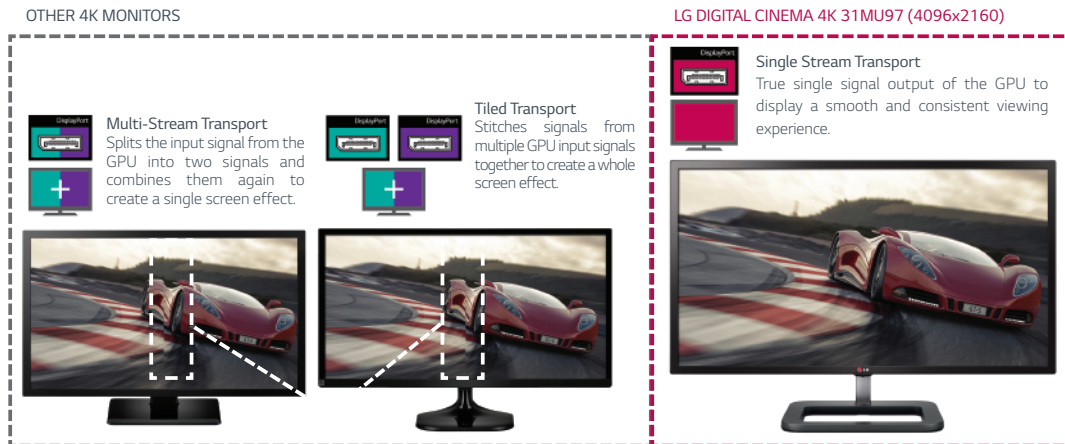
DIGITAL CINEMA 4K (4096x2160) RESOLUTION

The 31MU97 delivers 4K (4096x2160) resolution across a 31" display, providing crisp images with a significant amount of pixels on-screen. 4K (4096x2160) resolution displays over four times the resolution of standard 1920x1080 FHD, and over half a million more pixels than UHD resolution (3840x2160). The most intricate details are displayed perfectly for creative professionals.



SINGLE STREAM TRANSPORT

Supports SST (Single Stream Transport) technology that delivers Digital Cinema 4K resolution from a single source. A smooth viewing experience is achieved while previewing film content without any image sync issues or image tearing like that of other 4K monitors with limited MST (Multi-Stream Transport) or Tiled technology.



IPS DISPLAY WITH ADOBE® RGB OVER 99.5%

By supporting Adobe RGB over 99.5% with IPS technology, the 31MU97 minimizes color differences and color loss by using a wide color gamut and color temperature that covers both sRGB and CMYK color ranges. As a result, retouching of photos on the 31MU97 creates final images with vivid and vibrant colors that other VA or LCDs cannot.



DCI-P3 DIGITAL CINEMA COLOR STANDARD

The 31MU97 with DCI-P3 Digital Cinema Color Standard reproduces the full dynamic range of shadow, color, saturation and brightness of content accurately throughout post-production, matching what will be seen in the theater. On-site, superfine editing and over all control can be achieved while using a preview camera.

Shooting with on-site preview camera



Full dynamic ranges are accurately reproduced in post-production.



On-screen color is accurately reproduced.



MAXXAUDIO® + 5W Speakers

With two internal 5W speakers and MAXXAUDIO® functions, there is no need for separate high-end monitor speakers. The 31MU97 which supports MAXXAUDIO® delivers high quality sound with a wide range of vibrant, crisp, and clean high and low decibels while reviewing or editing 4K content.



10-BIT COLOR DEPTH (1 billion colors)

10-bit color depth that supports over 1-billion colors is 64 times richer than an 8-bit color display, re-creating colors softly and naturally without color banding. All the images details are displayed with a richer and wider color range that enables accurate, detailed, and natural-looking images. More shades in-between gradient transitions are displayed for a smoother image.



TOTAL COLOR MANAGEMENT

Through detailed color calibration testing, the 31MU97 maintains its color standard with software calibration and a factory preset, minimizing differences in color space and expressions between the original images, monitor screen, and printed result.

*Select the desired color environment through various color tests for color accurate reproduction.



DUAL COLOR SPACE

Simultaneously compare work done using both RGB and sRGB color modes by having half the screen in one mode and the other half in another. View side-by-side, Adobe RGB for print and sRGB for web, to maintain original resolution and any color distortion that may occur in the final project.



FONT SIZE/RESOLUTION CONTROLS

Using the OS system shortcuts, adjusting font sizes, accessing the toolbar, menu fonts or adjusting the resolution is a quick and easy step.

- Mac devices do not support the font adjustment function.
- When using the font size control, the compatibility with the SW or the level of size adjustments may vary depending on the individual SW.



FLICKER SAFE DISPLAY

LGs Flicker Safe function allows you to spend as long as you want working on or enjoying content without burdening your eyes. This technology reduces the flicker level to almost-zero to protect your eyes from exhausting flickers and blue light emissions.



PIVOT/HEIGHT ADJUSTMENT

The 31MU97 comes with a 90° pivot function for working on projects that are more vertical than horizontal to keep the size of the project as large as possible on the screen. And easily adjust the height of the screen for optimal working conditions.



MULTIPLE COLOR MODES

The 31MU97 comes with variety of color modes ranging from the basic sRGB and Reader, all the way to the more advanced Adobe RGB and DCI-P3 Sim, to accommodate a wide spectrum of needs required by professionals. Simply choose between color mode feature presets or customized calibrations using the joystick.



MAC COMPATIBLE/MULTI-PORTS

You can connect to various devices with the HDMIx2, MiniDP, Display ports and USB 3.0 ports. And with two Thunderbolt™ ports to directly connect a Mac PC or Pegasus2 storage directly to transmit data faster than a USB 3.0. Also, the configured USB Up and three USB 3.0 ports allow you to directly connect a tablet and external HD.



Digital Cinema 4K Monitor

For Creative Professionals

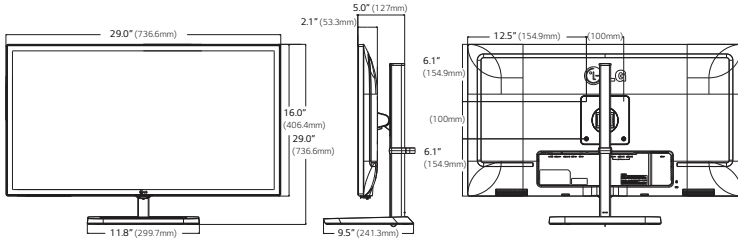
▶ **31MU97C-B**

31" class (31.0"/787.4mm diagonal)

▶ **31MU97Z-B**

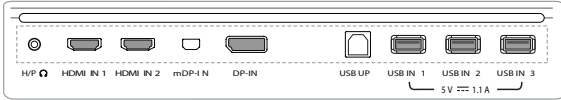
31" class (31.0"/787.4mm diagonal)

Dimensions

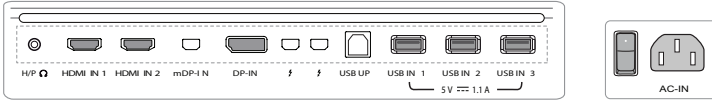


Rear Jack Panel

31MU97C-B



31MU97Z-B



| PANEL | Model | 31MU97C-B | 31MU97Z-B |
|----------------|--------------------------------|--|-----------|
| | Panel Size | 31" class (31.0" diagonal) | |
| | Panel Type | IPS | |
| | Color Gamut (CIE1976) | Adobe RGB over 99.5% / DCI-P3 97% | |
| | Color Depth (Number of Colors) | 10bit | |
| | Pixel Pitch (mm) | 0.0567mm x 0.1701mm | |
| | Aspect Ratio | 17:9 | |
| | Native Resolution | 4096 x 2160 | |
| | Brightness | 320 cd/m ² | |
| | Contrast Ratio (Typ.) | 1,000:1 | |
| | Dynamic CR (DCR) | On/Off | |
| | Response Time | 5ms (G to G) | |
| | Viewing Angle | 178°/178° | |
| | Surface Treatment | Advanced Anti-Glare Treatment of the Front Polarizer | |
| SIGNAL (INPUT) | HDMI | Yes (x2, ver 1.4) | |
| | DisplayPort | Yes (x1, ver 1.2) | |
| | Mini DisplayPort | Yes (x1, ver 1.2) | |
| | Thunderbolt x 2 | No | Yes |
| | USB | 1 (3.0) | 3 (3.0) |
| AUDIO (OUTPUT) | Headphone Out | Yes | |
| | SPEAKER | Type: Yes | |
| | Audio Output (Watt) | 5W x 2 | |

| SPECIAL FEATURES | Model | 31MU97C-B | 31MU97Z-B |
|-----------------------------|---------------------------------|--|-----------------|
| PC | | | Yes |
| Video | | | Yes |
| DDC/CI | | | Yes |
| HDCP | | | Yes |
| PBP | | | Yes |
| Plug & Play | | | Yes |
| Uniformity On/Off | | | Yes |
| Dual Color Mode | | | Yes |
| Picture Mode | | Yes (Custom/sRGB/AdobeRGB/DCM Sim/DCI-P3 Sim/Reader/Calibration1/Calibration2) | |
| H/W Calibration | | | Yes |
| Virtual Surround | | Yes (MAXX Audio) | |
| Flicker Safe | | | Yes |
| SUPER + Resolution | | | Yes |
| SUPER Energy Saving | | | Yes |
| Factory Calibration | | | Yes |
| Others1 | | True color Pro (S/W) | |
| Others2 | | Screen Split with Font/Resolution Control (S/W) | |
| CABINET | Color | Black Spray | |
| | Stand Color | Titan Silver Spray | |
| | Monitor w/stand | 29.0" x 19.0" x 9.5" | |
| | Monitor Weight | 21.2 lbs | |
| | Monitor w/o stand | 29.0" x 16.0" x 2.1" | |
| | Monitor Weight | 17.0 lbs | |
| | Carton Dimensions | 38.3" x 20.1" x 6.0" | |
| | Packed Weight | 26.5 lbs | |
| | Base Detachable | Yes | |
| | Tilt (Angle) | -5°(front) ~15°(rear) | |
| | Height (mm) | 140mm | |
| | Pivot | Yes | |
| | VESA™ Standard Mount Interface | 100mm x 100mm | |
| | POWER | Power Type | Built-in Power |
| Power Supply | | 100-240Vac, 50/60Hz | |
| Normal On (Typ.) | | 49W (without USB) | |
| Power Save/Sleep Mode (Max) | | 1.2W (USB3.0) | |
| DC Off (Max) | | 0.5 | |
| FREQUENCY | | HDMI (H-Frequency) | 30 - 90kHz |
| | HDMI (V-Frequency) | 56 - 61Hz | |
| | DisplayPort (H-Frequency) | 30 - 134kHz | |
| | DisplayPort (V-Frequency) | 56 - 61Hz | |
| RESOLUTION | DisplayPort (PC) | 4096 x 2160 @60 | |
| | DisplayPort (HDMI) | 4096 x 2160 @24 | |
| STANDARD CERTIFICATIONS | Safety | UL (cUL)/CB/TCO 6.0/TUV/KC | |
| | EMC | FCC-B / CE | |
| | ENERGY STAR 6.0 | Yes | |
| | RoHS, REACH | Yes | |
| | Windows | Yes (Windows 8) | |
| WARRANTY | | 3-Year Limited Warranty (Parts/Labor/Backlight) | |
| UPC | | 7 19192 19763 3 | 7 19192 19777 0 |
| ACCESSORIES | Power Cord | Yes | |
| | DisplayPort to Mini DisplayPort | Yes | |
| | HDMI | Yes | |
| | USB | Yes (3.0) | |
| | CD Manual | Yes (Manual, Driver) | |
| | S/W Install CD (PC OS) | Yes (Screen Split with Font/Resolution control, True Color Pro with DCI-P3/D/COM, MAC/Win) | |



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