



# 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/m<sup>2</sup>

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

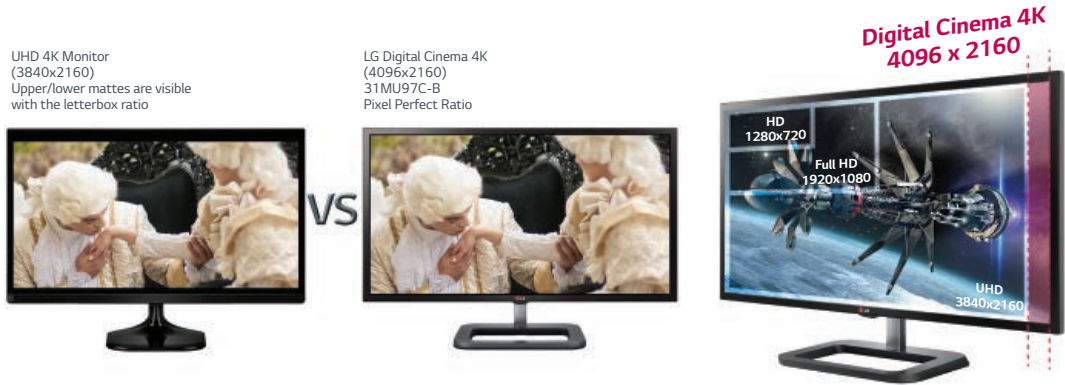
MAC Compatible

3-Year Limited Warranty Parts/Labor/Backlight



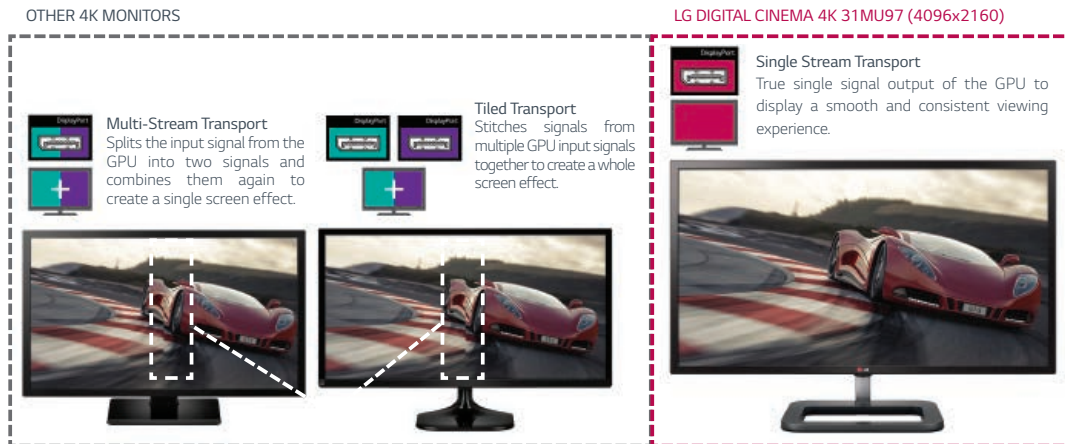
DIGITAL CINEMA 4K (4096x2160) RESOLUTION

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.



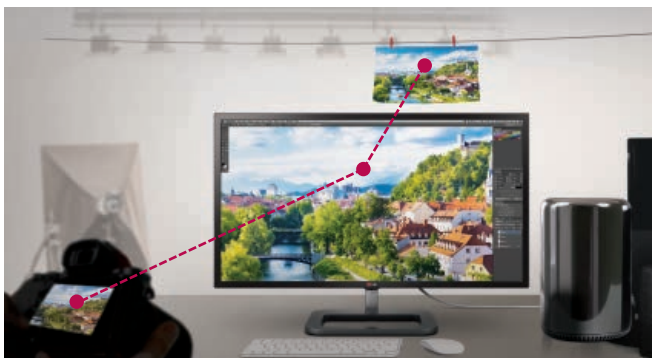
SINGLE STREAM TRANSPORT

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.



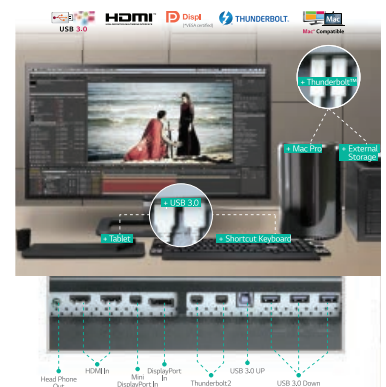
**MULTIPLE COLOR MODES**

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

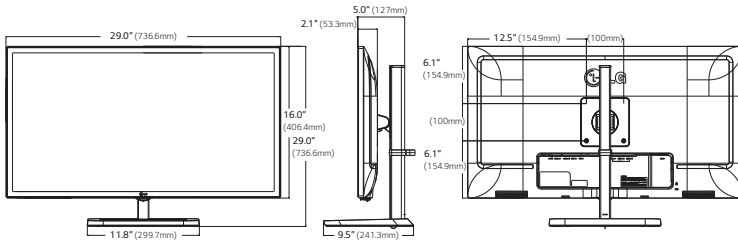
▶ **31MU97C-B**

31" class (31.0"/787.4mm diagonal)

▶ **31MU97Z-B**

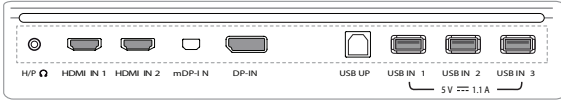
31" class (31.0"/787.4mm diagonal)

## Dimensions

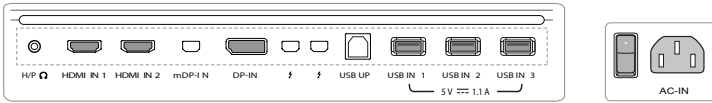


## Rear Jack Panel

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 <sup>2</sup>	
	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	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/Calibration 1/Calibration 2)		
H/W Calibration			Yes	
Virtual Surround		Yes (MAXX Audio)		
Flicker Safe			Yes	
SUPER + Resolution			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		ENERGY STAR Qualified	
	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)	



LG Electronics U.S.A., Inc.  
HE B2B Division  
2000 Millbrook Drive  
Lincolnshire, IL 60069

Customer Service: 888.865.3026  
www.LGSolutions.com/support

Contact your LG Regional Sales Representative:  
Channel: 800.897.8871  
Hospitality: 800.228.1236  
E-mail: info@LGSolutions.com

SPEC\_31MU97C-B\_31MU97Z\_061655\_PR

All screen images are simulated. Dimensions and weights are approximate. Design, specifications, and features subject to change without notice.

© Copyright 2016 LG Electronics USA, Inc. All Rights Reserved. "LG Life's Good" is a registered trademark of LG Corp.

ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. In Plane Switching is a trademark of LG Philips LCD Ltd. VESA is a trademark of Video Electronics Standards Association. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

All other product and brand names are trademarks or registered trademarks of their respective companies.

Printed in the USA. June 2016

