

Digital Cinema 4K Monitor For Creative Professionals

► 31MU97C-B

31" class (31.0" diagonal)



Features

1ST 4K MONITOR FOR SMALL MONITOR CATEGORY

31MU97C-B 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



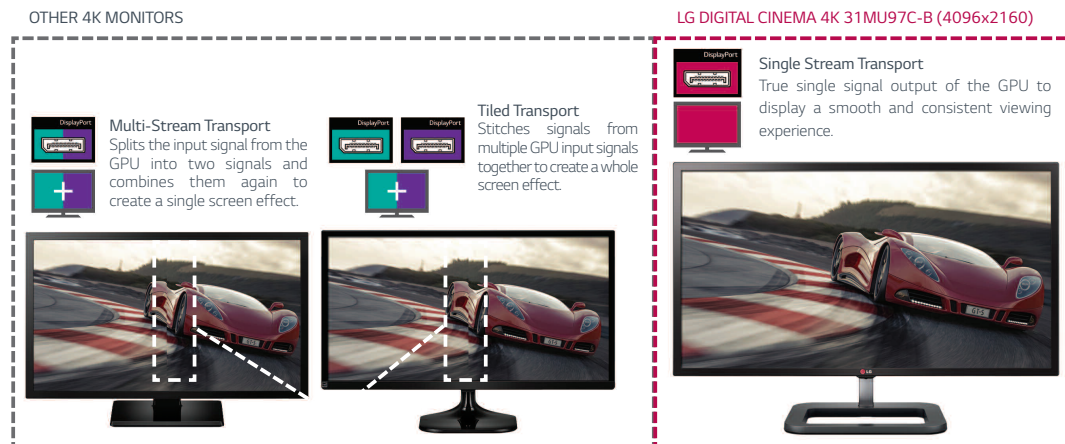
DIGITAL CINEMA 4K (4096x2160) RESOLUTION

The 31MU97C-B 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 31 MU97C-B 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 31 MU97C-B creates final images with vivid and vibrant colors that other VA or LCDs cannot.



DCP-P3 DIGITAL CINEMA COLOR STANDARD

The 31 MU97C-B 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 31MU97C-B 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 31MU97C-B 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 31MU97C-B 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.



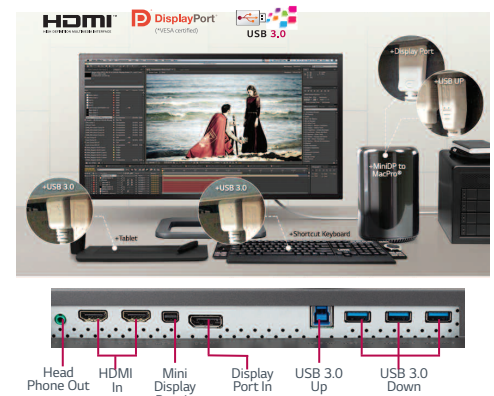
MULTIPLE COLOR MODES

The 31MU97C-B 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

Connect to various devices with the HDMIx2, MiniDP, Display and USB 3.0 ports. MAC compatible via MiniDP to DP 4K resolution cable is included. The configured USB Up and three USB 3.0 ports allow direct connections to a tablet or an external HD.

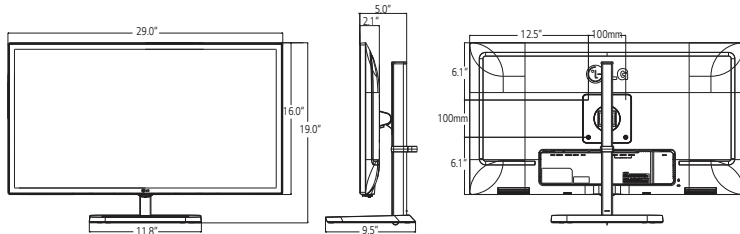


Digital Cinema 4K Monitor For Creative Professionals

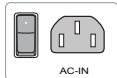
▶ 31MU97C-B

31" class (31.0" diagonal)

Dimensions



Rear Jack Panel



PANEL	Model	31MU97C-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)
	USB Up	1 (3.0)
	USB port	3 (3.0)
AUDIO (OUTPUT)	Headphone Out	Yes
SPEAKER	Type	Yes
	Audio Output (Watt)	5W x 2

SPECIAL FEATURES	Model	31MU97C-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	
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/DICOM, 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_081403_PR



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

© Copyright 2015 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. March 2015