

MLW-3110U

31-inch Medical Grade UHD LCD Monitor



The MLW-3110U is a 31-inch 4K monitor with 12G-SDI & HDMI 2.0. In addition to its native 4K resolution, 1500 : 1 high contrast LCD panel represent much more vivid picture that would support doctors for better visibility. Front control buttons employ Touch panel which makes it easier to keep clean. MLW-3110U will set the new standard for high-end Medical video monitoring applications.

■ 12G-SDI & HDMI 2.0 for UHD input

12G/3G-SDI / HDMI (HDCP2.2) / DVI-D (HDCP1.4) comes as standard input. 12G-SDI can extend more than 75m over single coaxial cable (5CFB or equivalent).



■ Native 4K LCD panel

Newly developed 10-bit IPS UHD panel employs LED back light. It can display 3840 x 2160 native 4K resolution with Contrast ratio 1500 : 1.

■ High performance display engine

Super resolution can upscale HD image to fit to the screen size. Besides H.I.S.E & D.I.C.E., a unique technology can adjust the view to enhance structure and color of the blood vessels and tissues.

■ Front touch panel

Flat surface control buttons provide ease of cleaning as well as operation comfort.



■ New VESA Tilt-stand (Option)

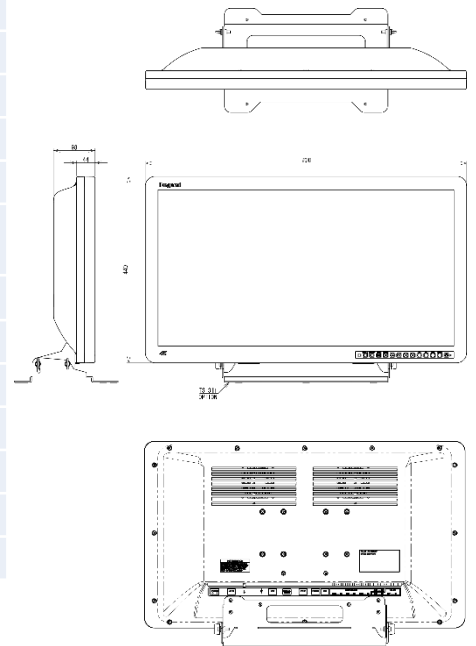
Newly designed VESA stand can set the monitor at the best viewing angle thanks to its wide adjustable range.



Specifications	
LCD Panel Size	31-inch
Backlight System	LED
Display Size	697.958(H)×368.064(V) mm
View Angle	178° (up&down / left&right)
Maximum Brightness	525cd/m ² (Typical)
Contrast Ratio	1500:1 (Typical)
Color Gradient	1,073,741,824
RGB/Component Input	
Signal and Connector	R,G,B or Y,Pb,Pr, 1CH:HD-15 [D-Sub 15pin] (with loop through)
DVI Input	
Signal and Connector	DVI-D (HDCP1.4)
SDI Input	
Signal and Connector	2CH x 12G(3G/HD-SDI), 3CH x 3G(HD-SDI)
HDMI Input	
Signal and Connector	HDMI2.0 (HDCP2.2)
Other Input	
Signal and Connector	RS-232C Serial, RJ-45 Ethernet, USB
General	
Safety Approval	UL60601-1, CSA C22.2 No.60601-1, EN60601-1
EMC	FCC Class A, VCCI Class A, EN60601-1-2
Power Requirement	AC : 100-120 V /200-240 V
Power Consumption	180W or less
Ambient Temperature	+5°C to +35°C
Storage Temperature	-20°C to +60°C
Dimensions (mm)	W760 × H440 × D98 (excluding protrusions)
Weight (kg)	approx. 12.9 (excluding stand)

Video Format	
3G/HD/SD- SDI	720P/50,60, 1 1080I/50,60, 1080P/50,60
12G/3G/HD/SD-SDI	720P/50,60, 1080I/50,60, 1080P/50,60, 2160P/50,60
DVI	720P/50,60, 1080I/50,60, 1080P/50,60 VGA,SVGA,XGA,WXGA,SXGA,UXGA,WUXGA
HDMI	720P/50,60, 1080I/50,60, 1080P/50,60, 2160P/50,60

Dimensions



Connector Panel



Design and specifications are subject to change without notice.

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