Ikegami

Precision Imagery for Critical Applications

[24-inch Medical Grade LCD Color Monitor]

MLW-2424C

The MLW-2424C is a wide screen 24-inch LCD monitor providing a high-definition image, with the color reproduction and functionality required in the medical field. It is designed with a flat front panel, with no vents or fans.

Pursuing the exceptional quality for medical applications

10-bit IPS Panel with LED Backlight

This monitor is fitted with a high brightness IPS panel with wide viewing angle of 178 degrees up/down and left/right. The energy saving LED backlit panel reduces power consumption by 50% compared with the previous model. 12-bit signal processing and 10-bit LCD panel support smooth gradation.

Wide Color Gamut

The MLW-2424C realizes a wide color gamut of DIC 98% and Adobe RGB 99%, superior to standard monitors conforming to BT709/SMPTE. It provides a wide color gamut in red, and true color reproduction required in the medical field.

Variety of friendly features

Two Screen Display

SDI and another input signal can be displayed simultaneously with side-by-side or picture-in-picture display modes.

Signal combinations
- SDI & DVI-D
- SDI & S-VIDEO
- SDI & Component
- SDI & RGB
- SDI & VIDEO

■ side-by-side

■ picture-in-picture

Flip Function

Images can be flipped horizontally and vertically.

Dynamic Image Contrast Enhancer

By calculating the brightness of the entire screen and extending the dynamic range between white and black in real time, automatically optimized black level and high contrast are achieved.

Still Image

It is possible to check with a still image against the current video.
The input video and memorized still image can be compared on the screen.

Function Key

For convenient use, a frequently used function can be assigned to the Function key to select instantly.

Hyper Image Enhancer

By controlling the chromaticity, luminance, and edge enhancement of a specific color space, the MLW-2424C is able to improve the reproduction of difficult areas within a picture.

Easy and smooth operation

Touch Switch

A touch switch is fitted for easy operation.

No Vent Structure

This monitor is cooled by air convection without vents and fans which allows easy cleaning.

* The picture is a composite image.

Specifications

LCD Panel Size	24-inch
Backlight System	LED
Display Size	518.4(H) × 324(V)mm
View Angle	178° (up&down / left&right)
Maximum Brightness	400cd/m² (Typical)
Contrast Ratio	1500:1 (Typical)
Pixels	1920(H) × 1200(V)
Color Gradient	1,073,740,000
Color Reproduction Range	Adobe RGB 99%, DCI 98%
VIDEO Input	
Signal and Connector	composite (VBS) 1CH:BNC (with loop through)
	Y/C (S-VIDEO) 1CH:S terminal (with loop through)
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 (equipped with cable compensation equipment:Max.30m) 1CH:DVI-D 24pin Max. clock 162MHz
SDI Input	
Signal and Connector	3G-SDI (Level A)/HD-SDI/SD-SDI 1CH:BNC (with loop through)
DC5V Output	1A output
Safety Approval	UL60601-1 CSA C22.2No.601.1
EMC	FCC Class A VCCI Class A
Power Requirement	AC100V to 120V, 200 to 240V±10%
Power Consumption	65W or less
Ambient Temperature	+5°C to +35°C
Dimensions	W584 × H400 × D83mm (excluding protrusions)
Weight	approx. 7.5kg (excluding stand)

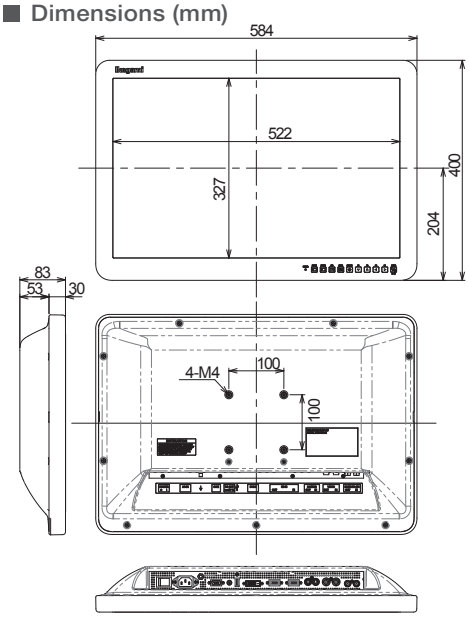
Available Display Signal for DVI-D/HD15 (D-Sub15p)

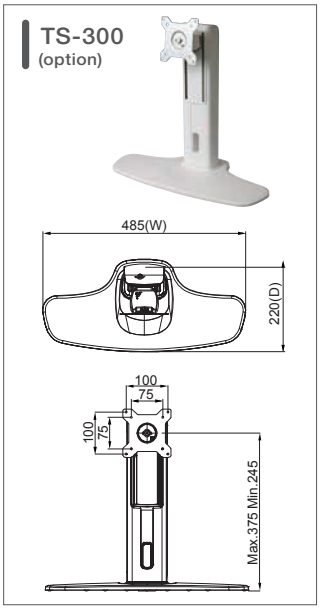
DVI-D	VGA, SVGA, XGA, SXGA, WUXGA 480i/60, 575i/50, 1080i/60, 1080i/50, 720P/60, 720P/50, 1080P/60, 1080P/50
HD15 (D-Sub15p)	VGA, SVGA, XGA, SXGA, WUXGA 480i/60*, 575i/50*, 1080i/60*, 1080i/50*, 720P/60, 720P/50, 1080P/60, 1080P/50

* Available for only G-Sync

Connector

Dimensions (mm)





Design and specifications are subject to change without notice.

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