



AMM240WTD

ADVAN introduces its newest member of ADVAN HD Medical LCD Display family, the AMM240WTD (24 inch). This medical display is specially designed for Endoscope surgeons. This display incorporates optimized Dual Core multi-bit video processing technology and advanced high clarity WUXGA (1920x1200) panel to display extremely high level of chromaticity response with rich color depth, wide range contrast and superior brightness. AMM240WTD features the custom developed ASIC with true Dual Core two channels, 10 bit real time processing, Motion Adaptive Deinterlacing, and algorithms for Mosquito Noise Reduction. The display reproduces images captured by the Endoscope system with accurate chromatic data reproduction and consistent gamma for both static and moving images. The AMM240WTD incorporates high flexibility with support of wide range of input types, VGA, DVI, Composite, YC, RGB, Component, and HD/SD SDI.

All ADVAN displays are medical-grade devices certified and approved by authorized US and European agencies plus compliance with safety standard from Japan, China and CB listed countries. They also come with [Seolforbio Technology™](#). AMM240WTD complies with ISO22196 standards in regards to antimicrobial activity of antibacterial-treated display enclosures, to prevent biodeterioration and odor on the display.

ADVAN Int'l Corp has a strong market share in surgical application using LCD Display in the USA via ADVAN's custom OEM program. Pioneers in custom design, ADVAN partners with its OEM customers to create a win-win total solution for the medical community. — Image Your Life.

Technical Highlights

- Sealed Design to Meet IP:X1
- Antimicrobial Technology [Seolforbio Technology™](#)
- Arm Mountable VESA Compliance
- Superb Quality High Resolution LCD
- Wide Range of Input Support
- Easy Firmware Upgrade
- Protective Filter
- DC Powered
- Intuitive Rotary Knob Control
- True Picture-by-Picture Mode with Independent Adjustment

*Monitor Stand Optional

AMM240WTD Specifications

LCD Module

LCD Panel	24.0" TFT LCD Panel
Type	Active Matrix
Resolution	1920 x 1200 @ 60Hz.
Pixel Pitch	0.27 mm
Display Color	16.7M colors
Color Tone	Up to 256 color tone
Response Time	<25ms Typ.
Face Finishing	Protective Filter with Anti-Reflected Hard Coated
Viewing Angle	+/- 85°(Horizontal), +/- 85° (Vertical)

Input Signal (Analog & Digital)

Sync (Analog)	2.5 ~ 5.0Vp-p separated sync
Composite Sync (Analog)	Composite Video (NTSC/PAL)
Y/C Sync (Analog)	S-Video (NTSC/PAL)
Input Impedance (Analog)	Video – 75 Ohm, Sync – 1k Ohm
Digital	24 bit MSB RGB TMDS Dual Link

Scanning Frequency

Horizontal	31.47 ~ 79.98kHz
Vertical	50 ~ 85Hz

Display Size

H x V	20.4" x 12.8" (518.4 mm x 324 mm)
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Brightness, Contrast Ratio, Gray Scales

Brightness	400 cd/m2 (Typ)
Contrast Ratio	700:1 (Typ)

Video Signals

Please See Page 6

Signal Input Connector

Video	DVI, HD15, SD/HD-SDI 1 and 2, Component Y/G, Pb/B, Pr/R, H/CS, VS, S-Video and C-Video
Communication	DB9 (RS232)

Signal Output Connector (Loop Through)

Video	SD/HD-SDI, Component Y/G, Pb/B, Pr/R, H/CS, VS, S-Video and C-Video
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Operating/Storage Environment

Operating Temperature	32 ~ 104°F (0 ~ 40°C)
Storage Temperature	-4 ~ 140°F (-20 ~ 60°C)
Humidity	10 ~ 85%RH (without condensation)

VESA Mounting

100mm x 100mm

Power Source

Display	DC 24V
AC-Adapter	AC 100 ~ 240V 50 ~ 60Hz, 3.0A

Regulations

Safety, EMI & Environmental	UL60601-1, EN60601-1, EN60601-1-2, FCC, CE, CCC, VCCI, RoHS, IP:X1 Compliance
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Dimension

Free Mount	23.54" (W) x 15.07" (H) x 4.39" (D) 598mm (W) x 382.9mm (H) x 111.5mm (D)
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Weight

Free Mount	16.45lb (7.47Kg)
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Optional Module

Base Stand	Adjustable high, swivel and tilt base stand
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