AMM213TD

ADVAN introduces it's first member of ADVAN HD Medical LCD Display family, the AMM213TD (21.3 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 UXGA (1600x1200) panel to display extremely high level of chromaticity response with rich color depth, wide range contrast and superior brightness. AMM213TD features 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 AMM213TD 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™. AMM213TD 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 it's 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

AMM213TD Specifications

LCD Module

LCD Panel	21.3" TFT LCD Panel
Type	Active Matrix
Resolution	1600 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	17" x 12.8" (432 mm x 324 mm)

Brightness, Contrast Ratio, Gray Scales

Brightness	750 cd/m2 (Typ)
Contrast Ratio	1100:1 (Typ)

Video Signals

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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

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

Dimension

Free Mount	20" (W) x 15.31" (H) x 3.3" (D) 512mm (W) x 389mm (H) x 85mm (D)

Weight

Free Mount	14.65lb (6.66Kg)

Optional Module

Base Stand	Adjustable high, swivel and tilt base stand