

MM9A VIDEO MONITOR

RUGGEDIZED 9" MONOCHROME MONITOR

- Multiple Power Inputs
- High MTBF
- Integrated Shock Mounts
- Fully Enclosed
- Integrated Hour Meter
- Optional Dual Inputs
- Differential Video Input
- Multisync Operation
- MIL-STD 810D Tested



PRODUCT DESCRIPTION

This series of monitors was designed for the harsh environment of shipboard and aircraft operations. The rear panel has 2 power input connectors; one for AC and the other for DC. Both can be used simultaneously. The looping video input is differentially processed with a separate power supply. This provides for complete ground isolation of the video shield and the monitor chassis. The chassis is formed from heavy gauge aluminum alloy which has been chemically treated for corrosion protection. All printed circuit boards are conformal coated. The circuits have been designed to operate with video scan rates from 525 through 1249 lines and 48 through 72 Hz vertical rates. Other rates can be custom ordered. A unique circuit corrects for non-standard vertical sync. The shock mounts are integrated into the monitor and can be moved to accommodate a wide range of configurations. An LCD hour meter is mounted on the rear panel for service monitoring. Dual inputs can be added along with a front panel select switch. The differential video input eliminates common mode noise on the video cable. Custom bezels are also offered depending upon the program requirements.



INTERMED VIDEO TECHNOLOGIES INC.

18 COMMERCE RD. • NEWTOWN, CT 06470 • PH: (203) 270-9100 • FAX: (203) 270-9619
Web Page: www.intermedvideo.com • E-Mail: sales@intermedvideo.com

MM9A VIDEO MONITOR

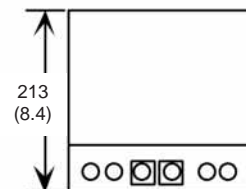
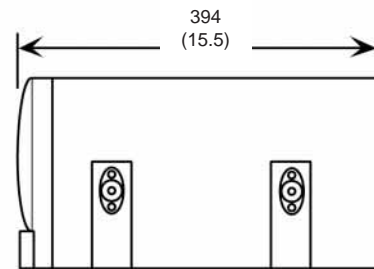
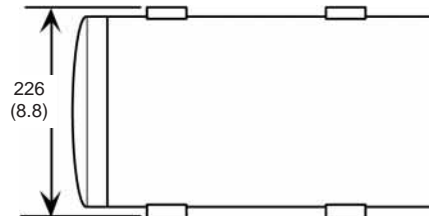
SPECIFICATIONS

Input Video*	1.0 V P-P Composite Neg Sync
Sync	48 TO 72 Hz With or Without Serrations <small>REF NOTE 1</small>
Sync Input*	Composite or External
Scan Rates*	525 TO 1249 Interlaced <small>CUSTOMER TO SPECIFY EXACT RATE</small>
Input Impedance*	75Ω Ground Isolated Differential
Picture Tube*	9" P4/P45 Phosphor
Scan Size*	Underscan 2% (User Adjustable)
Horizontal Resolution	700 Lines
Vertical Resolution	525 Lines
Indicator Lamps*	Power and Non-Standard Sync
Power Input*	85-250 VAC 47-440 Hz 18-36 VDC 30W <small>NOTE 2</small>
Electrical Ground	Safety Ground Lug on Rear Panel
Temperature	OPERATING 10°F-130°F STORAGE 0°F-158°F PER MIL-STD-810D METHOD 501.2
Weight	12 LBS (5.4 kg)
Humidity	10%-90% Relative, Non-Condensing
Vibration	PER MIL-STD-810D METHOD 516.3
Shock	PER MIL-STD-810D METHOD 514.3
Other	All Circuit Boards Conformal Coated
Connectors	2 BNC Looping Video Isolated Shield 1 AC Input Power 1 DC Input Power
Controls	POWER ON OFF VERTICAL HOLD HORIZONTAL HOLD BRIGHTNESS CONTRAST. V-SIZE

* Specified can vary according to customer requirements

DIMENSIONS

Dimension shown in mm(in)



NOTE 1 The horizontal AFC circuit has been designed to automatically correct for loss of serration pulses in the vertical blanking

NOTE 2 The high voltage AC and DC and the low voltage DC are on separate input connectors and are separately fused

INTERMED VIDEO TECHNOLOGIES INC.

18 COMMERCE RD. • NEWTOWN, CT 06470 • PH: (203) 270-9100 • FAX: (203) 270-9619
Web Page: www.intermedvideo.com • E-Mail: sales@intermedvideo.com