

HD-RACK

RUGGED HD RACKMOUNT DISPLAY

The wide format high definition rackmount monitor (HD-RACK) displays high contrast 1080p HD imagery and is daylight readable and night vision complaint. Multiple video inputs (3G/HD/SD-SDI, HDMI, DVI-I, RS-170), resistive touchscreen option and configurable bezel buttons allow remote operation of any video management system.

STANDARD FEATURES

- (1) SMPTE In/Out (3G/HD/SD-SDI)
- (SMPTE 424M/292M/259M)
- (1) HDMI Input
- (1) DVI-I Input
- (3) RS-170 Inputs
- (1) RS-170 Output
- Up to 1080p60 High Definition Video
- MIL-C Power*
- Fully User-Programmable Tactile Buttons for use in controlling and manipulating any connected device
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- 9.0", 12.1", 14.1" and 17.5" TFT AM LCD
- MIL-STD-461, 704, 810, 1275 Compliant



* Cables not included



* Dual Display Model is standard in 9.0" LCD

OPTIONAL FEATURES

- Analog Resistive Touch Screen
- NVIS MIL-STD-3009 Red/Green Compatible

MOUNTING

LCD Size	Rackmount Size
9.0" TFT AM LCD	4U
12.1" TFT AM LCD	6U
14.1" TFT AM LCD	7U
17.5" TFT AM LCD	8U



LCD Size	Resolution	Nits	Viewing Angle	Contrast Ratio	Maximum Power Consumption
9.0" TFT AM LCD	WXGA (1280x768)	800 nits	170° (H) x 170° (V)	1000:1	TBD
12.1" TFT AM LCD	WXGA (1280x800)	700 nits	160° (H) x 140° (V)	700:1	31 Watts
14.1" TFT AM LCD	WXGA (1280x800)	800 nits	160° (H) x 140° (V)	700:1	TBD
17.5" TFT AM LCD	WXGA (1280x768)	700 nits	160° (H) x 140° (V)	700:1	TBD
Technical Specifications					
Display	8-bit color, 16,777,216 colors				
Dimming Ratio	3000:1				
Video Inputs	(1) HDMI, (1) SMPTE 3G/HD/SD-SDI, (1) DVI-I, (3) RS-170				
Video Outputs	(1) SMPTE 3G/HD/SD-SDI, (1) RS-170				
Connector*	MIL-C Power				
Housing	Milled AL, Black Hard Anodized				
Rackmounts	9.0" LCD: 4U, 12.1" LCD: 6U, 14.1" LCD: 7U, 17.5" LCD: 8U				
Wide Range DC Power Input†	10-36 VDC (12,24,28 VDC nominal)				
Power Conditioning	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity				
Environmental Specifications					
IP Rating	IP68 Front Bezel, IP65 Rear Housing				
Operating Temperature	-30°C to 71°C (22°F to 160°F); (-20°C (-4°F) with Touch Screen Option)				
Storage Temperature	-51°C to 71°C (-60°F to 160°F)				
Humidity	0-100%				
Altitude	45,000 ft.				
Military Specifications					
MIL-STD-461	EMI	MIL-STD-810	Method 512; Immersion		
MIL-STD-704	Aircraft Power Requirements	MIL-STD-810	Method 513; Acceleration		
MIL-STD-810	Method 500; Altitude	MIL-STD-810	Method 514; Procedure I, II, V, VI; General Vibration		
MIL-STD-810	Method 501; I & II; High Temperature	MIL-STD-810	Method 516; Procedure I, Functional Shock		
MIL-STD-810	Method 502; I & II; Low Temperature	MIL-STD-810	Method 520; Temp, Humidity, Vibe and Altitude		
MIL-STD-810	Method 503; Temperature Shock	MIL-STD-810	Method 523; Vibro-Acoustic/Temperature		
MIL-STD-810	Method 505; Solar Radiation	MIL-STD-1275	Vehicle Power Requirements		
MIL-STD-810	Method 506; Rain	MIL-STD-1472	Thermal Contact Hazard		
MIL-STD-810	Method 507; Humidity	MIL-STD-3009	NVIS Compatibility, Optional		
MIL-STD-810	Method 508; Fungus	MIL-PRF-22885	Sunlight Readability for Push Buttons		
MIL-STD-810	Method 509; Salt/Fog	MIL-A-8625	Standard Finish, Type III, Class 1 & 2		
MIL-STD-810	Method 510; Blowing Sand and Dust	MIL-PRF-22750	Painted Finish, Optional, Minimum Quantity Required		
MIL-STD-810	Method 511; Explosive Atmosphere	MIL-DTL-38999	Connector, Qualified		

* - Cables not included

† - The power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required.

ON-GOING PRODUCT DEVELOPMENT MAY NECESSITATE DESIGN AND SPECIFICATION CHANGES WITHOUT NOTICE.