



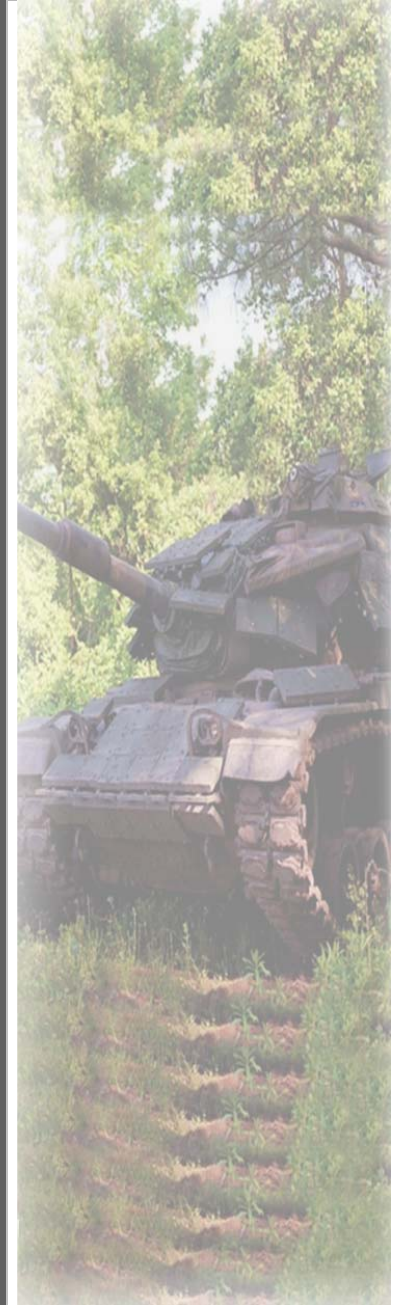
20" Military LCD

**Designed and Tested
for MIL-STD-810E**

20.1" Military (9U) Rack Mount LCD (Model: ARP920X)

Product Features

- ❑ **20.1" Color Active Matrix Liquid Crystal Display (AMLCD)**
- ❑ **Attractive Flush Rack Mount**
- ❑ **Convenient Front Controls**
- ❑ **Designed and Built to Military Standards**
- ❑ **Anti-Reflective Protective Window (Standard)**
- ❑ **Wide Viewing Angle $\pm 88^\circ$ (Typical All Directions)**
- ❑ **HD-15 (VGA), 5-BNC & Composite Video & S-Video**
- ❑ **Picture in Picture (PIP)**
- ❑ **RS-232 Interface for Remote Adjustment/Status Feedback**
- ❑ **Auto Ranging Internal AC Power Supply**



Model ARP920X flat panel display is designed for use in severe environments as encountered by the military. The ARP920X C is designed to meet a wide variety of applications (airborne and ground mobile), which requires a solid mechanical design to protect the display against shock, vibration, and temperature extremes. The model ARP920X's salient features are: 15.75" (9U) high and is designed for flush mounting into a standard 19" RETMA rack enclosure.

SPECIFICATIONS	ENVIRONMENTAL
Display Display Type: 20.1" TFT Active Matrix LCD Active Display Area: 408 x 306 mm (16.06" x 12.05") Pixel Pitch: 0.255 x 0.255 mm Brightness: 225 cd/m ² (Typical) Viewing Angle: ± 88 ° All directions (Typical) Contrast Ratio: 350:1 (Typical) Response Time: 20 ms (Typical) Display Colors: 16 Million Synchronization Range: Horizontal: 24 to 82 kHz Vertical: 55 to 85 Hz Input Signal: Video Analog 0.7V p-p/75 Ohms Sync Separate sync. TTL level Horizontal Sync Positive/Negative Vertical Sync Positive/Negative Composite Sync Positive/Negative Sync on Green (Video 0.7Vp-p and Sync 0.3Vp-p) Live Video: Picture in Picture (PIP) and/or (NTSC, PAL, SECAM, S-Video) Background Image Input Interface: HD-15 (VGA) & 5 BNCs Video Input Impedance: 75 Ohms Resolutions Supported: 640 x 480 @ 60-85 Hz 720 x 400 VGA Text 800 x 600 @ 56-85 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-85 Hz 1152 x 900 @ 75 Hz 1280 x 1024 @ 60-85 Hz Native Resolution: 1600 x 1200 @ 60 Hz	Temperature: Operating: (Sea Level) 0°C to 50°C Storage: -20°C to +60°C Humidity: Operating/Storage: 5 to 95% RH Non-condensing MIL-STD-810E, Method 507.3 Procedure 1 Altitude: Operating: 0 to 42,000 ft. above sea level Storage: 0 to 54,000 ft. above sea level (MIL-STD-810E, Method 500.3) Rapid Decompression: RTCA/DO-160D, 8,000 ft ASL to 42,000 ft. ASL in 15 seconds, 42,000 ft. ASL to 25,000 ft. ASL in 5 minutes Shock: (Operational) 30G, 11ms, ½ Sine (Crash Safety) 40G, 11ms, ½ Sine Vibration: MIL-STD-810E, Method 514.4, Category 8, Ground Mobile / MIL-STD-810F, Method 514.5 Category 13, Propeller Aircraft EMI: FCC Class A Power Requirements: Power Supply: Internal 100-120V/220-240 VAC Frequency: 50-60, 400 Hz Power: 60 watts Chassis Connector: MS3102E10SL-3P Dimensions & Weight: Rack Mount ARP920X Height: 15.75" (9U) Width: 19.00" Depth: < 4.00" Weight: 18 Lbs. Compatibility: PCs, Workstations, & X-Terminals User Controls: Power, On-Screen Display (4 Display Controls: buttons that control various func- tions, such as color temperature, brightness, contrast, video ad- justment, position, PIP, adjust- ments, video scaling, video source, selection, etc.)



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