

	<p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>▶ 1280 x 1024 resolution AMLCD</li> <li>▶ Designed and built to military standards</li> <li>▶ Laminated Safety Glass Overlay Standard</li> <li>▶ Mounts directly into standard 19" Racks</li> <li>▶ Autosync compatible with PC's, Workstations and X-Terminals</li> <li>▶ Built-In-Test(BIT)</li> <li>▶ Optional LOFARGRAM flicker compensation</li> <li>▶ 170° viewing angle (Horizontal and Vertical)</li> <li>▶ Contrast Ratio: 300:1</li> </ul>
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**DESCRIPTION**

The Model ELK-RFP20C Ruggedized Color Active Matrix Liquid Crystal Display (AMLCD) is designed for use in severe environments as encountered by the military. The Model ELK-RFP20C is designed for mounting into a standard 19" RETMA rack enclosure. Optional desktop or ceiling mount is also available. The Rugged Color Flat Panel Display's salient features are: lightweight, low power, low heat dissipation and BIT. This display is ideal for all military C4I environments: airborne, surface ships, submarine, and ground mobile usage.

**SPECIFICATIONS**

<p>Compatibility Display Viewing Angle Viewable Image Size Active Display Area Display Resolution Display Colors Pixel Pitch Contrast Ratio Pixel Arrangement Brightness Backlight Unit Video Input Impedance Display Controls Built-In-Test</p>	<p>Interfaces with PCs and workstations ± 85° Up/Down/Right/Left (typical), ± 70° minimum 20.1" Diagonal (equivalent to 21" CRT) 399.36 x 319.49 mm 1280 x 1024 and lower 16,777,216 0.312 x 0.312 mm 300:1(Typical) RGB vertical 200 cd/m2 with EMI faceplate (typical) Twelve Cold Cathode Fluorescent Lamps with Inverter; replaceable 75 OHM OSD (On Screen Display) • Lamp Test • Fan Fault Warning • Over Temperature Warning • Sync Loss Indicator • Test Patterns (Crosshatch, White Field, Color Bars)</p>
<p>Rear Connectors Environmental</p>	<p>5 BNC connectors (RGB, V-sync, H-sync or composite sync) and Power input connector Operating Temperature: 0°C to +50°C, MIL-STD-810E, Method 501.3/502.3, Procedure II Operating Humidity: 5 to 85% RH Non condensing MIL-STD-810C, Method 507.3, Proc. I Vibration: MIL-STD-167, Type 1 Shock: MIL-S-901D, Grade A, Class II, Type A; 56 G's, 20 ms,1/2 sine for soft deck applications, tested IAW MIL-STD-810E, Method 516.3 Procedure I, three blows each direction on each of three axes: Vertical UP: 56G, 20 msec,1/2 sine Vertical DOWN: 30G, 11 msec,1/2 sine Left/Right: 30G, 11 msec,1/2 sine Front/Back: 30G, 11 msec,1/2 sine EMI: MIL-STD-461D Magnetic Field: DOD-STD-1399, Section 070, Part 1: 20 oersted (1600 A/m) operating Drip Proof: MIL-STD-810E, Method 506.3 Procedure II Sand/Dust: MIL-STD-810E, Method 510.3 Power Supply: 90 - 132/180 - 264 VAC Auto ranging, 47 - 440 Hz 18 - 36 VDC Input optional Power Consumption: &lt;100 watts &lt;30 Watts (Power Saving Mode) Weight: 33 pounds</p>
<p>Physical(Dimensions) Altitude Rapid Decompression Reliability(MTBF)</p>	<p>15.75"(H) x 19.00"(W) x 6.35"(D) Front to mounting surface, 3.15" Mounting surface to rear, 3.2" Operating: 0 – 42,000 feet above sea level Non-Operating: 0-54,000 feet above sea level(MIL-STD-810E, Method 500.3) RTCA/DO-16D, 8000 ft. ASL to 42,000 ft. ASL in 15 seconds, 42,000 ft. ASL to 25,000 ft. ASL in 5 minutes. &gt;80,000 hours; shipboard shelterized @ 30°C</p>

**ORDERING INFORMATION**

MODEL	DESCRIPTION
ELK-RFP20C	Ruggedized 20" Rack Mount Color Flat Panel Display for Severe Military Environments

All Specifications within this document are subject to change without notice.



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