

RFD-357

22.5" Rugged Flat Display (1920 x 1200)



The RFD-357 is a 22.5" widescreen Rugged Flat Display with 10-bit image quality, which offers superior visualization and operational performance in harsh naval environments.

Barco's RFD-357 was designed specifically to meet the harsh requirements of naval military forces. Being the first rugged display to offer superior 10-bit image quality under all conditions, this flat high resolution widescreen monitor is suited to be used in combination with a wide range of sensors – including hi-res sensors. The rugged design, small footprint and long term support make the RFD-357 the perfect visualization solution for all military vessels.

Features and benefits

- Thin 22,5" wide-screen LCD
- 1920 x 1200 resolution
- Superior 10-bit image quality
- Specifically designed for long term support
- Qualified for MIL-S-901D naval shock requirement
- Proprietary highly efficient LED backlight
- Top of the line LCD flicker compensation
- Fully sealed, fan-less design
- Highly accurate optical touch screen (optional)

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Technical specifications

Panel size	22,5" wide-screen LCD
Aspect ratio	16:10
Dimming ratio	7300:1
Contrast ratio	800:1
Resolution	1920x1200
Signal inputs	DVI-D, VGA, Video (3x CVBS or 1x Y/C + 1x CVBS or 1x YPbPr)
Serial port	RS-232/RS-422 communication (9 pin sub D)
USB ports	USB communication (USB Type B receptacle)
Ethernet port	Maintenance port (RJ-45 receptacle)
Controls	TOUCH DISABLE / INPUT / F KEY / DOWN / UP / SEL / QUIT / STANDBY In conjunction with OSD
OSD	On-screen display
Power supply	115 - 220 VAC (47 - 63 Hz)
Connectors	MIL-C-38999 serie I power connector
Power consumption	80W typical
Operating temperature	MIL-STD-810F Low temp: 0°C (-25°C with heater option) High temp: +50°C
Storage temperature	MIL-STD-810F Low temp: -40°C High temp: +70°C
Relative humidity	MIL-STD-810F Operating & storage: 95% @ 40°C non condensing
Ingress protection	IP 64
Altitude low pressure	MIL-STD-810F Operating: up to 25.000 ft (376 mbar) Storage: up to 40.000 ft (187 mbar)
Vibration	Ships MIL-STD-167-1, Type 1 Airborne 2g sine vibration, MIL-E-5400T Fig.2, curve IIa (sheet 2 of 3)
Shock	30g - 12,5 ms half sine MIL-STD-810F Qualified towards MIL-S-901D LW Grade A Class 1
EMI / EMC	MIL-STD-461FNavy applications