

Rugged All Weather Sunlight Readable LCD

8.4" Rugged All-Weather Sunlight Readable LCD
w/S-Video & Composite Video
Model: (SOD8400BNC)



i-Tech's harsh-duty All-Weather Monitor (SOD) is a flat panel display, engineered to survive the most demanding applications. Designed to be rugged, the SOD handles a wide-range of extreme environments making it the industry choice for mobile applications. Housed in a milled billet aluminum case, the slim-profile SOD is light weight and watertight, with fully sealed connectors. Front-mounted controls and the optional touch screen make the monitor user-friendly. The SOD incorporates the latest optical engineering to achieve optimum view ability in all lighting conditions, including direct sunlight. The SOD's power efficient, low heat design results in the increased reliability and longevity required for mission critical deployment.

Standard Features

- Auto Sensing NTSC/PAL
- (3) Video Input: BNC
- 8.4" TFT AM LCD SVGA (800 x 600)
- Brightness Range 5-800 nits
- Transflective Enhancement
- Antireflective / Antiglare Surface Treatments
- Button OSD User Interface (MIL-PRF-22885; 1 million + actuations)
- Milled AL Case, sealed to IP67 / NEMA 6
- Black Anodized Finish
- IP68 Anticorrosive Metal Sealed Connectors
- Wide Range Input (10-36 VDC)T (MIL-STD-1 275)
- Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity
- 20 Watts Maximum Power Consumption

Optional Features

- LED Backlight (1000:1 Dimming Ratio)
- Internal Heaters
- Night Vision Goggle Filter (MIL-STD-3009)
- Flush Mount Bezel, IP67 Sealed
- Panel Mount, IP67 Sealed
- 1 9" Rack Mount
- External VAC 1 20/240 Power Supply

TECHNICAL SPECIFICATIONS

Display	8.4" TFT, LCD, 16M Colors, 1024 x 768
Sunlight Readable*	800 nits, Transflective, AR/AG
Contrast Ratio	600:1
Dimming Ratio	100:1
Viewing Angle (typical)	1 30° (H) x 115° (V)
Video Input NTSC/PAL	Composite and S-Video
Connectors	M12
Housing	Milled Aluminum, Black Anodized, UV Clear Coat
Mounting	Flush, Panel, 19" Rack or RAM Mount (Standard)
Wide Range DC Power Input†	10-36 VDC (12, 24, 28 VDC nominal) MIL-STD-1275
Power Conditioning	Internal Short Circuit Protection Load Dump Protection Over Voltage Protection Reverse Polarity Protection
Power Consumption	20 Watts Max

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP67 (NEMA 6 Submersible)
Operating Temperature‡	-30°C to 70°C (-40°F to 158°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Humidity	0-100%
Shock	50 G
Vibration	5.8 G (5-500 Hz)
Altitude	45,000 ft.
EMI	Designed to meet FCC B, CE
Included Power with M12- connector	



Mechanical

