Rugged All Weather Sunlight Readable LCD

12.1" Rugged IP67 sealed High Brightness LCD Brightness 5-800 nits (Res.1024 x 768)Lead time 6-8 weeks, Operating temperature is -30C ~ +70C. VGA and DVI input, 12-36 DC input, 18W Power Consumptions

Model: (SOD1210R)

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

- 12.1" TFT AM LCD SVGA (1024 x 768)
- (1) RGB and (1) DVI Inputs
- 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 (12-36 VDC)
- Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity
- 18 Watts Maximum Power Consumption

Optional Features

- LED Backlight (1000:1 Dimming Ratio)
- Internal Heaters
- USB Pass-through with IP68 Sealed Connector
- Analog Resistive Touch Screen
- Flush Mount Bezel, IP67 Sealed
- Panel Mount, IP67 Sealed
- 1 9" Rack Mount
- External VAC 1 20/240 Power Supply

TECHNICAL SPESIFICATIONS

Display	12.1" TFT AM, SVGA, LCD, 16M Colors
Sunlight Readable*	5-800 nits, Transfective, AR/AG
Contrast Ratio	600:1
Dimming Ratio	100:1 /1000:1 (optional LED)
Viewing Angle (typical)	1 30° (H) x 115° (V)
Video Input	VGA and DVI
Connectors	IP68 Fischer High Density to DB-15 JAE to Flying Leads DC Input JAE to DB-9 Touch (optional) JAE to USB Port (optional)
Housing	Milled Aluminum, Black Anodized, UV Clear Coat
Mounting	Flush, Panel, 19" Rack or RAM Mount (Standard)
Wide Range DC Power Input†	12-36 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	18 Watts Max

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP67 (NEMA 6 Submersible)
Operating Temperature‡	-30°C to 70°C (-40°F to 158°F) (Designed to meet MIL-STD-810F)
Storage Temperature	-40°C to 80°C (-40°F to 1 76°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 (3-pin), RGB, Touch*, USB* * Included only if option is ordered