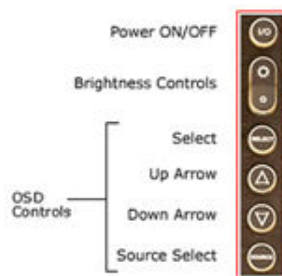**Model:DOD1500R-AV**

15" Rugged All-Weather Sunlight Readable LCD

i-Tech's harsh-duty All-Weather Monitor (AWM) is a flat panel display, engineered to survive the most demanding applications. Designed to be rugged, the AWM 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 AWM is light weight and watertight, with fully sealed connectors. Front-mounted controls and the optional touch screen make the monitor user-friendly. The AWM incorporates the latest optical engineering to achieve optimum view ability in all lighting conditions, including direct sunlight. The AWM's power efficient, low heat design results in the increased reliability and longevity required for mission critical deployment.

1 VGA Input
2 S-Video Input
3 Optional USB Input
4 Optional Touch Input
5 DC Power Input
6 BNC Input

Power ON/OFF
Brightness Controls
OSD Controls
Select
Up Arrow
Down Arrow
Source Select

Computer Connections
1 Touch Cable Serial
2 Power Cable DC
3 VGA Cable DB-15
4 USB Cable

NOTE: BNC and S-Video Cables are not inluded

Standard Features

- Auto Sensing NTSC/PAL
- 2 Video and 1 RGB Input
- Instant Source Selection Switch
- 15" TFT AM LCD XGA (1024 x 768)
- Brightness Range 10-800 nits
- Transflective Enhancement
- Antireflective/Antiglare Surface Treatments
- 3 Button OSD User Interface
- Milled AL Case, sealed to IP67 (NEMA 6P) Standard
- Black Anodized Finish
- IP67 Anti-Corrosion Metal Sealed Connectors
- Wide Range Input (10-30 VDC)
- Protected against an Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity
- 35 Watts Maximum Power Consumption

Optional Features

- USB Pass-through with IP67 Sealed Connector
- Analog Resistive Touch Screen
- Night Vision Goggle Filter (MIL-STD-3009)
- Flush Mount Bezel, IP67 Sealed
- Internal Heaters for operating to -40ºC (-40ºF)
- External VAC Power Supply

Specification

Technical

Display	15" TFT AM, XGA, LCD, 256K Colors
Sunlight Readable	800 nits, Transflective, AR/AG
Dimming Ratio	100:1
Video Input	RGB Input and NTSC/PAL (B, D, G, I, K)
Connectors	IIP67 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	Panel Mount or RAM Mount
Power Consumption	6 Watts Min - 35 Watts Max
Wide Range DC Power Input	10-30 VDC (12, 24, 28 VDC nominal)
Power Conditioning	Internal Short Circuit Protection
	Load Dump Protection
	Over Voltage Protection
	Reverse Polarity Protection

Environmental

Operating temperature	0°C to 60°C (32°F to 140°F)
Operating temp. w/ Heater Option	-40°C to 60°C (-40°F to140°F)
Storage temperature	-40°C to 75°C (-40°F to 167°F)
Shock	50 G
Vibration	5.8 G (5-500 Hz)
IP rating	IP67 (NEMA 6P Submersible)
Humidity	0-100%
EMI	Designed to Meet FCC B, CE
Altitude	45,000 ft.

Dimensions

	MILLIMETERS	INCHES
Height	280 mm	11.00"
Width	378 mm	14.86"
Depth (Main Case)	27 mm	1.06"
Connector Pod Depth	29 mm	1.12"
Weight	3.7kg/ 8.0 lbs	

Cables

Included	Power, VGA
	Touch*, USB*
Not Included	BNC, S-Video

I-TECH COMPANY

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Model:DOD1500R-AV

15" Rugged All-Weather Sunlight Readable LCD

Mechanical Drawing

14.86
11.98
11.00
9.03

14.86
1.06
2.18

14.86
3.32
8.20
11.00
10.28
5.03
.36
3.72
7.07
7.07
.36

{7.35 REF.}

{0.22}

{0.91 RAD. 120 DEGREES 3 PLACES}
{1.50}
{1.19}
{2.49}
{Ø2.44 REF.}

i-TECH COMPANY