FULL HIGH DEFINITION RUGGED MONITORS

IP67 (NEMA 6 Submersible) 17.3" 1920x1080, 400nits, 160° (H) x 140° (V) 600:1, VESA Mount, Power Consumption: 40Watts,Video Inputs: HD-SDI, HDMI, DVI/DisplayPort/VGA, RS170 (NTSC/PAL), Video Outputs: HD-SDI, RS-170 (NTSC/PAL), Programmable Bezel Keys, Optional Touch Screen, 10-36VDC, MIL-STD 810, MIL-STD 461, MIL-STD 1275, MIL-STD 704, IP67, DO-160, -46C to 71C, External cables are not included.

Model: DHFW1730

Built with a Full HD 1920x1080 LCD, the DHFW Display Series deliver a MIL-Spec design with low-power consumption, high brightness backlight, and an ultra-thin form factor for critical operations requiring 1080p detail. The rugged DHFW monitor ensures complete optical performance and full reliability while providing a small footprint for constrained spaces. User Programmable Bezel Keys allow full control of external systems or a custom interface of internal display features (video processing, picture layout, user interface preferences, and navigation shortcuts). Multiple mounting options allow for seamless integration within any rugged system.

STANDARD FEATURES

- SDI Input (1), 3G/HD/SD SMPTE 424M/292M/259M
- SDI Output (1), 3G/HD/SD SMPTE 424M/292M/259M
- HDMI Input (1)
- DVI-I Input (1), Digital/Analog
- Composite Video Inputs (3)
- Composite Video Output (1)
- Auto Sensing NTSC, PAL Formats
- Up to 1080p30 High Definition Video
- User Programmable Bezel Keys (15), RS232
- MIL-C Power*
- LED Backlight (1000:1 Dimming Ratio1)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure (Sealed Connectors*)
- 17.3" TFT AMLCD
- MIL-STD-461, 704, 810, 1275

* Cables not included

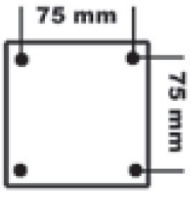
OPTIONAL FEATURES

- Resistive Touch Screen (USB or RS232 Interface)
- Night Vision Compatible – Monochrome Red/Green
- NVIS MIL-STD-3009 Class B White Compliant

MOUNT OPTIONS *(Quoted individually)*

PANEL

RAM



VESA

i-Tech Company LLC
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Modified: 05-16-2022

SPECIFICATIONS

LCD SIZE	Resolution	Luminance	Viewing Angle	Contrast Ratio	Maximum Power Consumption
17.3" TFT AMLCD	1920x1080	400 nits	160° (H) x 140° (V)	600:1	40 Watts
TECHNICAL SPECIFICATIONS					
Display	8-bit color, 16,777,216 colors. TFT AMLCD (Thin-Film Transistor Active-Matrix Liquid-Crystal Display)				
Dimming Ratio	1000:1				
Video Inputs/Outputs	SDI (1) 3G/HD/SD, HDMI (1), DVI-I (1) Digital/Analog, Composite Video (3); Auto Sensing NTSC and PAL-BGHID Formats; SDI (1) 3G/HD/SD, Composite Video (1)				
Housing	Milled Aluminum, Black Hard Anodized				
Mount Options	Panel, RAM, VESA (75mm); Quoted individually.				
Wide Range DC Power Input	10-36 VDC (12, 24, 28 VDC nominal); 24" is 16-36 VDC (24, 28 VDC nominal)				
Power Conditioning	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity				
ENVIRONMENTAL SPECIFCATIONS					
IP Rating	IP67 (NEMA 6 Submersible)				
Operating Temperature	-46°C to 71°C (-51°F to 160°F); -20°C (-4°F) with Touch Option				
Storage Temperature	-54°C to 71°C (-65°F to 160°F)				
Humidity and Altitude	0-100%; 45,000 ft.				

MILITARY SPECIFICATIONS			
MIL-STD-461	EMI	**MIL-STD-810**	Method 512; Immersion
MIL-STD-704	Aircraft Power Requirements	**MIL-STD-810**	Method 513; Acceleration
MIL-STD-810	Method 500, Altitude	**MIL-STD-810**	Method 514; Procedure I, II, V, VI; General Vibration
MIL-STD-810	Method 501; I & II; High Temperature	**MIL-STD-810**	Method 516; Procedure I, Functional Shock
MIL-STD-810	Method 502; I & II; Low Temperature	**MIL-STD-810**	Method 520; Temp, Humidity, Vibe and Altitude
MIL-STD-810	Method 503; Temperature Shock	**MIL-STD-1275**	Vehicle Power Requirements
MIL-STD-810	Method 505; Solar Radiation	**MIL-STD-1472**	Thermal Contact Hazard
MIL-STD-810	Method 506; Rain	**MIL-STD-3009**	NVIS Compatible (Optional)
MIL-STD-810	Method 507; Humidity	**MIL-PRF-22885**	Sunlight Readability for Push Buttons
MIL-STD-810	Method 508; Fungus	**MIL-A-8625**	Standard Finish, Type III, Class 1 & 2
MIL-STD-810	Method 509; Salt/Fog	**MIL-PRF-22750**	Painted Finish, Optional, Minimum Quantity Required
MIL-STD-810	Method 510; Blowing Sand and Dust	**MIL-DTL-26482**	Connector, Qualified
MIL-STD-810	Method 511; Explosive Atmosphere	**MIL-DTL-38999**	Connector, Qualified

Specifications subject to change without notice, not responsible for typographical errors.

*- Cables not included
†-Power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required

1 - Dimming Ratio is LCD-specific.

2 - Configuration-Specific; Contact iTech for details.

PHOTOS:


DAY
NIGHT


C1 IN
C2 IN
C3 IN
C4 OUT
J3 COM
J4 HDMI/DP
J2 DVI
SDI IN
SDI OUT
J1 PWR
GND


C1 IN
C2 IN
C3 IN
C4 OUT
J3 COM
J4 HDMI/DP
J2 DVI
SDI IN
SDI OUT
J1 PWR
GND