

FULL HIGH DEFINITION RUGGED MONITORS

15.6" Rugged Display, HDMI Input, DVI Input, HD-SDI Input, Composite Video Inputs (3), HD-SDI Output, Composite Video Output, Resistive Touch Screen (RS-232 Interface), LED Backlight, 15 User Programmable Buttons, FHD Resolution (1920 x 1080), IP67 Sealed, MIL-STD Design, 12-36Vdc Power Input

Model: DHFW1560TR

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

- HDMI Input
- DVI Input
- HD-SDI Input
- Composite Video Inputs (3)
- HD-SDI Output
- Composite Video Output
- 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*)
- 15.6" TFT AMLCD
- MIL-STD-461, 704, 810, 1275
- Resistive Touch Screen (RS-232 Interface)



MOUNT OPTIONS (Quoted individually)

OPTIONAL FEATURES

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



PANEL





VESA



SPECIFICATIONS

LCD SIZE	Resolution	Luminance	Viewing Angle	Contrast Ratio	Maximum Power Consumption		
15.6" TFT AMLCD	1920x1080	400 nits	178° (H) x 178° (V)	1000:1	35 Watts		
TECHNICAL SPECIFICATIONS	•	·	·	•			
Display	8-bit color, 16,777	8-bit color, 16,777,216 colors. TFT AMLCD (Thin-Film Transistor Active-Matrix Liquid-Crystal Display)					
Dimming Ratio	1000:1	1000:1					
Video Inputs/Outputs	HDMI Input, DVI Ir Output	HDMI Input, DVI Input, HD-SDI Input, Composite Video Inputs (3), HD-SDI Output, Composite Video Output					
Housing	Milled Aluminum,	Milled Aluminum, Black Hard Anodized					
Mount Options	Panel, RAM, VESA	Panel, RAM, VESA (75mm); Quoted individually.					
Wide Range DC Power Input	12-36 VDC (12, 24	12-36 VDC (12, 24, 28 VDC nominal)					
Power Conditioning	Protected agains	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity					
ENVIRONMENTAL SPECIFCATIONS	;						
IP Rating	IP67 (NEMA 6 Sub	IP67 (NEMA 6 Submersible)					
Operating Temperature	-46°C to 71°C (-51	-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	-54°C to 71°C (-65°F to 160°F)					
Humidity and Altitude	0-100%; 45,000 ft.						

MILITARY SPECIF	ICATIONS			
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	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

Dimming Ratio is LCD-specific.

2 - Configuration-Specific; Contact iTech for details.







MECHANICAL DRAWINGS:

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



Drawing No.: DHFW1560TR-11162022-V1

