

FULL HIGH DEFINITION RUGGED MONITORS



IP67 (NEMA 6 Submersible) 7.0" 1920x1080, 500nits 140° (H) x 120° (V) 600:1, VESA Mount, Power Consumption: 30Watts, 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: DHFW0700

Crafted with a Full HD 1920x1080 LCD, the DHFW Display Series embodies a MIL-Spec design featuring low-power consumption, a high brightness backlight, and an ultra-thin form factor, ideal for demanding operations that demand 1080p precision. Engineered to excel, the rugged DHFW monitor ensures impeccable optical performance and unwavering reliability, all within a compact footprint suited for restricted spaces. With User Programmable Bezel Keys, users have complete command over external systems or can tailor a custom interface for internal display functions such as video processing, picture layout, user interface preferences, and navigation shortcuts. Offering multiple mounting options, seamless integration within any rugged system is effortlessly achieved.

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 Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure (Sealed Connectors*)
- 7.0" 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

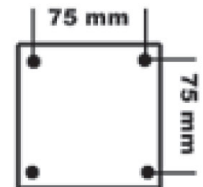
MOUNT OPTIONS *(Quoted individually)*



PANEL



RAM



VESA

SPECIFICATIONS

LCD SIZE	Resolution	Luminance	Viewing Angle	Contrast Ratio	Maximum Power Consumption
7.0" TFT AMLCD	1920x1080	500 nits	140° (H) x 120° (V)	600:1	30 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 SPECIFICATIONS					
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:

