TYPHON-10

RUGGED MULTIPLE PANEL HIGH DEFINITION DISPLAY

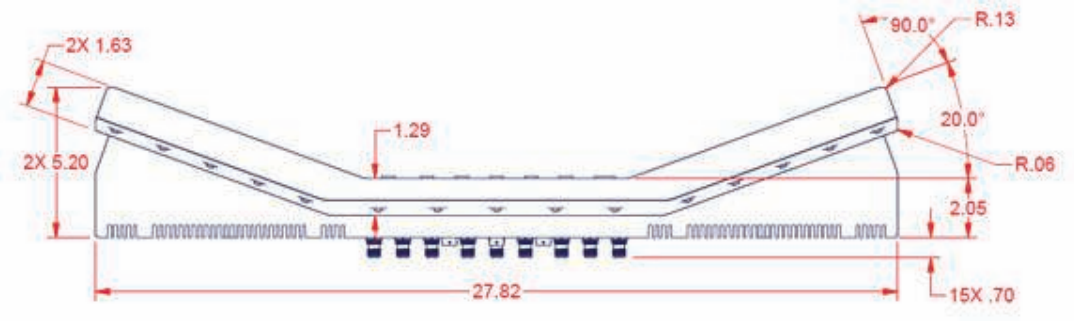
The Typhon-10 is a situational awareness, high-resolution digital Display System supporting up to 9 independent camera video inputs. The self-contained milled aluminum enclosure houses 3 LCDs each with WUXGA resolution (1920 x 1200) giving the vehicle operator a comprehensive view of the mission's surroundings. Video management of 6 distinct SDI and 3 RS-170 inputs allows for integration with both legacy and advanced digital sensors.

The onboard CANBus communication interface permits remote control and access to features such as video source selection, built-in-tests, day/night modes and user preferences like backlight levels, video positioning, and image adjustments. Typhon-10 is the next-generation situational awareness video system.

* Cables not included

STANDARD FEATURES

- (3) 10.1" WUXGA, 1920 x 1200, LCDs
- 3G SDI Video Inputs (6), Outputs (6)
- Composite Video Inputs (3)
- CANBus Interface, J1939 Standard
- RS-232 Interface, Remote Programming Port
- Auto-Sensing NTSC, PAL Formats
- LED Backlight, Wide Dimming Range
- IP67/NEMA 6 Rated (Sealed Connectors*)
- MIL-STD-810, 461, 1275, & 704 Compatible



LCD SIZE	RESOLUTION	LUMINANCE	VIEWING ANGLE	CONTRAST RATIO	MAXIMUM POWER CONSUMPTION
10.1" TFT AMLCD	1920x1200	800 nits	170° (H) x 170° (V)	800:1	85 Watts

TECHNICAL SPECIFICATIONS	
Display	8-bit color, 16,777,216 colors. TFT AMLCD (Thin-Film Transistor Active-Matrix Liquid-Crystal Display)
Video Inputs	SDI Inputs (6) 3G/HD/SD; Composite Video (3)
Video Outputs	SDI Outputs (6)
Housing	Milled Aluminum, Black Hard Anodized
Mount Options	Panel, M6 (8) Pattern
Wide Range DC Power Input†	10-36 VDC (12, 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	0-100%
Altitude	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, Vibration, and Altitude
MIL-STD-810	Method 503; Temperature Shock	**MIL-STD-810**	Vehicle Power Requirements
MIL-STD-810	Method 505; Solar Radiation	**MIL-STD-1275**	Thermal Contact Hazard
MIL-STD-810	Method 506; Rain	**MIL-STD-1472**	
MIL-STD-810	Method 507; Humidity	**MIL-STD-3009**	NVIS Compatible (Optional)
MIL-STD-810	Method 508; Fungus	**MIL-PRF-22885**	Sunlight Readability for Push Buttons
MIL-STD-810	Method 509; Salt/Fog	**MIL-A-8625**	Standard Finish, Type III, Class 1 & 2
MIL-STD-810	Method 510; Blowing Sand and Dust	**MIL-PRF-22750**	Painted Finish, Optional, Minimum Quantity Required
MIL-STD-810	Method 511; Explosive Atmosphere	**MIL-DTL-26842**	**(and 38999)** Connector, Qualified

***** - 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.

ON-GOING PRODUCT DEVELOPMENT MAY NECESSITATE DESIGN AND SPECIFICATION CHANGES WITHOUT NOTICE.

DIGITAL SYSTEMS ENGINEERING, INC. (DSE)
17491 NORTH 93RD STREET
SCOTTSDALE, AZ 85255-6324| 480-515-1110 | WWW.DIGITALSYS.COM
technology in motion