

# SEAMIL-16WUV

## Rugged Mobile Military Display



SEAMIL-16WUV is part of our Mobile Military Monitor Series that are IP rated to IP65 with the connectors or cable coming out the Sides, Top or Bottom. They can be VESA mounted, Bracket Side mounted or Optional Yoke mounted. The 15.6" panel is FHD (1920x1080) native resolution with an LED backlight and High Brightness available up to 1500 Nits. Optional NVIS enhancements are available for both NVIS White and NVIS Green. It's embedded controller has HDMI, DP, VGA or SDI I/O Ports Available to be brought Out. It's Lens comes standard with a 3mm thick, Chem Strength-ed, Anti Glare Cover Glass, with optional EMI 461 Military Enhancement, or PCAP touch. Perfect for Storm Case head mounting, or Direct Ship deck, or military transport applications.

### Features:

- Meets MIL-STD-810E/G Standard
- Military Grade Rugged 15.6" High Bright LCD (1500 Nits)
- Conformal Coated Electronics.
- All Aluminum Construction
- 50,000 MTBF w/LED Driver
- Wide Temp range -30°C to +85°C Operation and Storage
- HDMI, DP, VGA or SDI input options via Gland Ports or Mil-spec Connectors
- All Aluminum Chassis design
- NEMA4 / IP65 Operation and Storage
- Front OSD control buttons to optimize display
- Optical Bonding for Grade A Shock
- Vesa 100mm x 100mm, M4 Hole Pattern

### Options:

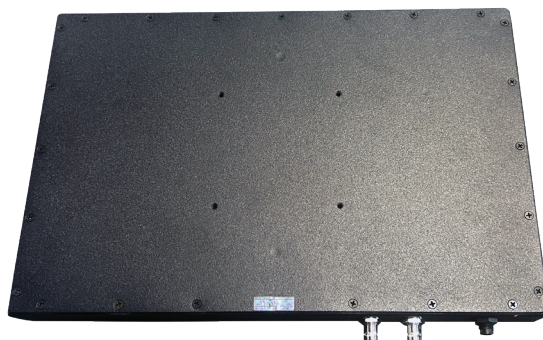
- Multiple Lens Enhancement available Including: NVIS White or Green Backlight
- 461G EMI Glass Enhancement
- Side L Bracket, or Side Yoke Brackets
- MIL PCAP and Resistive Touch Options



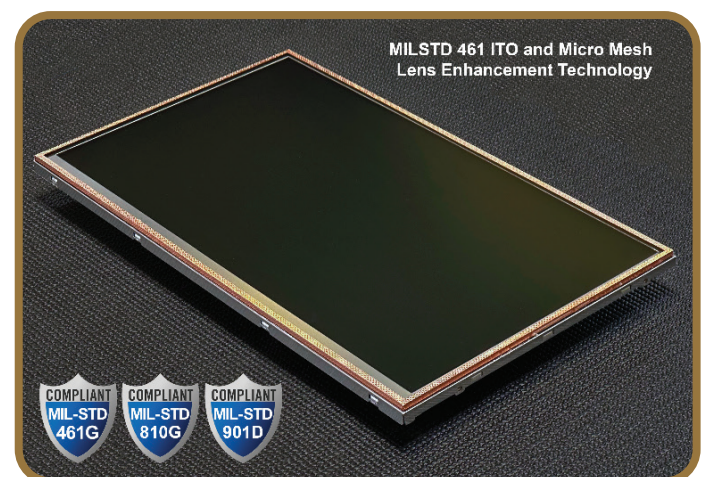
Front ISO View



Power and Inlet View



Back Iso View



# Specifications

Detailed Specifications are for the 15.6" Monitor  
We can supply Detailed Specs other  
Monitors upon Request

## LCD Characteristics:

Screen Spec:	15.6" FHD, a-Si TFT LCD
Backlight Type:	LED
Resolution:	1920x1080
Contrast Ratio:	1000:1
Brightness ( cd/m2 ):	1000 to 1500 Nits
View Angles ( H/V ):	89/89/89/89
Pixel Size ( HxV ) mm:	0.17925x17925 mm
Max. Color:	16.7M
MTBF (hrs):	50,000
Response Time (ms):	25
Lens Treatment:	Antiglare, Hard Coating (3H)
Lens Enhancement:	Optical Bonding
Touch:	Optional (Resistive or PCAP)
Color Gamet (NTSC):	72 to 76%

## Standard Input Signals:

VGA:	DB15 Male (3' to 6' Cable)
HDMI:	Mono Pole HDMI (3' to 6' Cable)
Display Port:	Full Size or Mini DP Cable (3' to 6' Cable)
SDI:	BNC Connectors
USB:	USB 2.0 Type A (3' to 6' Cable) (MIL Spec Connector available on Request)

## Power Specifications:

DC Power Input:	12VDC (Optional 9-36VDC)
Connector:	MIL Locking connector (2Pin Locking Standard)
Power Consumption:	~30 Watts

## Mechanical and Environment:

Height:	~11"	
IP Protect:	IP54	
Mounting:	VESA Mount, Side L Bracket, or Yoke Mount	
Construction:	Aluminum Housing with black powder coating	
Operating Temperature:	-30°C ~ 85°C	Method 501.4 and 502.4
Storing Temperature:	-30°C ~ 85°C	Method 501.4 and 502.4
Operating Humidity:	5% - 95%, non -condensing	Method 507.4
Anti-Vibration:	5 - 500 Hz / 1 Grms PTP	Method 514.5
Anti-Shock:	15G / Peak (11 ms)	Method 516.5
Physical Dimension (WxHxD):	16" x 11" x 1.46" (in)	
Packing Dimension (WxHxD):	25" x 15" x 5" (in)	
Net Weight / Gross Weight:	(6.5Lbs / 8Lbs)	
Certification and Approvals:	UL / CE / FCC RoHS	
Altitude Test:	12,500/40,000ft (Operational/No-Operational)	

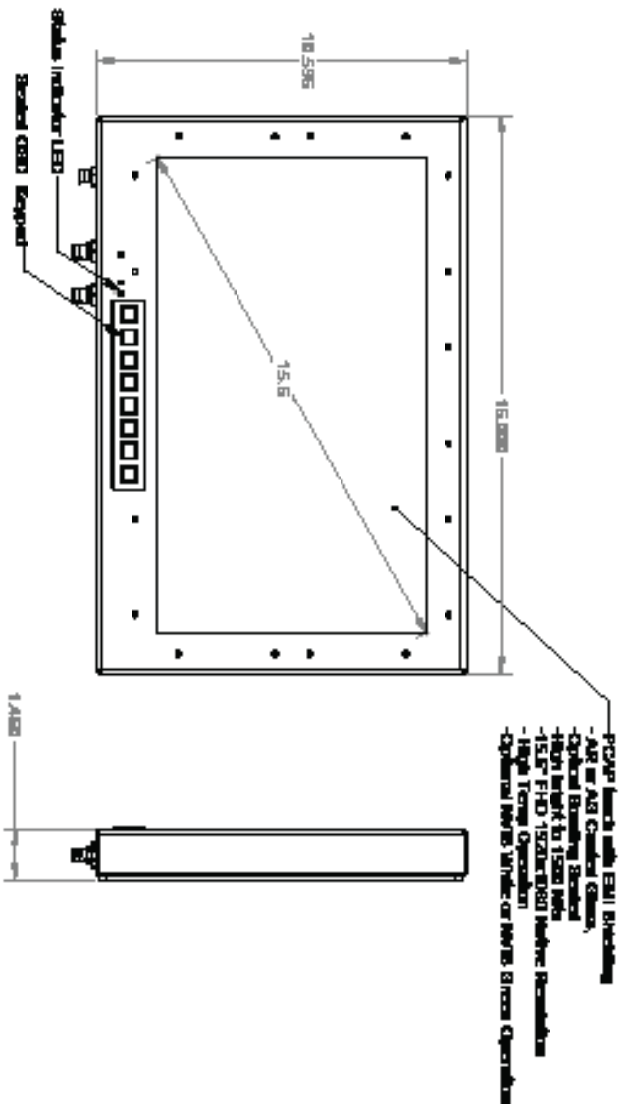
## User Controls Interface:

Power ON / OFF via Front Button
Power Mode Status LED Indicator
OSD (On Screen Display) Buttons

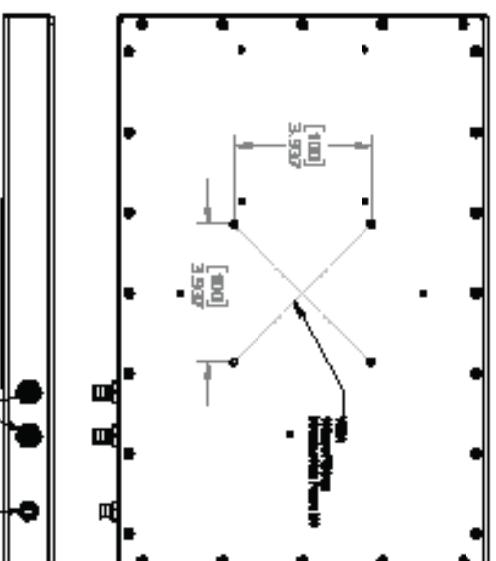
# Mechanical Drawings

Samples of some of the Custom Projects we have done for our customers

Mechanical drawings and 3D Solid Models are available upon request. Contact your sales representative for details.



IP605 Unit, Not Tested to IP67 Yet



System with Optional EMC 305-3011 in and Out

**Use our Storm Storm Transmitters for the Left or Right**

**Video Embedded Controller: HDMI, DP, VGA, SDI**  
**Remote operation via Web/Signal Console or MLIPES**  
**Connectors**

