

# OVERSEER

1080p HIGH DEFINITION  
RUGGED MONITOR AND  
DVR SERIES

## STANDARD FEATURES

- SDI Inputs (3), 3G/HD/SD
  - SMPTE 424M/292M/259M
- SDI Output (1), 3G/HD/SD
  - SMPTE 424M/292M/259M
- HDMI Input (1)
- DVI-D Output (1)
- Composite Video Input (1)
- Picture-in-Picture (PIP)
- Picture-over-Picture (POP)
- Picture-by-Picture (PBP)
- 1 GbE Port
- CANBus Port
- RS422 Communication Port
- USB 3.0
- Sealed Connectors\*
- Embedded DVR
- Removable 256GB SSD<sup>^</sup> (RM-Drive) — — — — — →
- User Programmable Bezel Keys (15), RS422 or CAN
- Up to 1080p60 High Definition Video
- LED Backlight (1000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- 10.1", 15.6" and 17.3" TFT AMLCD
- MIL-STD-461, 704, 810, 1275
- MIL-C Power\*



\* Cables not included

<sup>^</sup> Removable SSD (RM-Drive) is supported by DSE's docking station, RM-Dock, for remote PC connectivity.

## OPTIONAL FEATURES

- Removable SSD<sup>^</sup> up to 4TB
- Resistive Multi-Touch Screen (USB Interface)
- Night Vision Compatible – Monochrome Red/Green

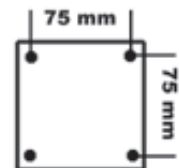
## MOUNT OPTIONS (Quoted individually)



Panel



RAM



VESA



LCD SIZE	RESOLUTION	LUMINANCE	VIEWING ANGLE	CONTRAST RATIO	MAXIMUM POWER CONSUMPTION
10.1" TFT AMLCD	1920x1080	800 nits	170° (H) x 170° (V)	800:1	TBD
15.6" TFT AMLCD	1920x1080	600 nits	160° (H) x 145° (V)	800:1	TBD
17.3" TFT AMLCD	1920x1080	400 nits	160° (H) x 140° (V)	600:1	TBD
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	SDI (3) 3G/HD/SD, HDMI (1), Composite Video (1)				
Video Outputs	SDI (1) 3G/HD/SD, DVI-D (1)				
Storage <sup>^</sup>	256GB Removable SSD <sup>^</sup> ; <i>Optional up to 4TB</i>				
Housing	Milled Aluminum, Black Hard Anodized				
Mount Options	Panel, RAM, VESA (75mm); Quoted individually.				
Wide Range DC Power Input <sup>†</sup>	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, 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-DTL-26482	Connector, Qualified		
MIL-STD-810	Method 510; Blowing Sand and Dust	MIL-DTL-38999	Connector, Qualified		
MIL-STD-810	Method 511; Explosive Atmosphere				

<sup>^</sup> - Removable SSD (RM-Drive) is supported by DSE's docking station, RM-Dock, for remote PC connectivity.

<sup>\*</sup> - Cables not included.

<sup>†</sup> - 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.

