



Display Features Overview	
Touch Screen	Infrared touch screen
Screen Cover	Clear polycarbonate with embedded EMI wire mesh
Mount	Water tight flange mount design with EMI gasket.
Auto Position / Settings	Auto position resolution scaler 640 x 480 native
RoHS	Lead free RoHS compliant (optional)
Cooling	Natural Convection / Fan

Display Characteristics			
Display Size	13.8 inch diagonal		
Resolution	640 X 480 colored pixels		
Colors	16 million		
Active Area	(H)281.3mm x (W)207.8mm		
Brightness	180 cd/m <sup>2</sup>		
Viewing Angle	Vertical: 10 deg top , 30 deg bottom Horizontal: +/- 45 deg		
Contrast Ratio	100:1 Typical		
Response Time	30ms		
Sync Range	Horizontal: 30 kHz to 82 kHz		
Video non-interlaced	Min refresh rate 60 Hz (no flicker)		
Controls	Front controlled dimming and power.		
Power Input	Input: +20-28VDC, 25 VDC Nominal		
Power input connector	JE2 MS27484T14F5SA		
Power Consumption	Less than 60 watts		
Data Inputs			
VGA	Located on JE1		
Serial interface	Host serial interface for command, status and touch data.		
Serial interface connector	JE1 MS27484T14F35PB		
Mechanical Characteristics			
Bezel Dimensions	Outer dimensions (H)14.5" x (W) 17.25" (D) 3.0"		
Mounting	(22x) 0.281" Diameter mounting holes		
Sealing	Watertight enclosure		
Weight	Less than 20 lbs		
Environmental Characteristics (designed to)			
Shock	Mil-S-901D, Grade A, Class1 Type A (when mounted in assembly 7250720)	Vibration	Mil-STD-167-1A, Type 1 4-25Hz
ESD	Mil-STD-1686A Class 2	Watertight	Mil-STD-810E (when mounted in assembly 750720)
Sand & Dust	Mil-STD-810E	Fungus	MIL-HDBK-454 guideline 4
Altitude	Non-operating 15,000 feet		
Non-operating temp	-13 to 140F	Operating temp	-0 to 122 F