



- **12.1" TFT LCD LED Backlight**
- **Resolution XGA (1024x768)**
- **PAL/NTSC Video Inputs**
- **Rugged Machined Aluminium casing**
- **Captive fittings for easy front mounting applications**
- **IP65 environmentally sealed**
- **Built-In Test Pattern output**
- **EMC environmental glass /mesh**
- **Optional front bezel control**
- **Text and graphics overlay capability**

The AV6011-121-FM1 is an XGA PAL/NTSC display monitor for command and control consoles. The unit has a black bezel machined from the same enclosure giving a professional and rugged monitor solution. It has a built in test pattern generator which can be used to loop back into the unit for test purposes. The enclosure is milled from a single Aluminium block to ensure a rugged assembly.

An RSS22 Command Link allows a Host controller to communicate with the display to add text and graphics overlay capability.

The FM1-T variant allows touch screen capability to be included in the system, touch commands are relayed to the host via command link.

Directives

2004/108/EC

2011/65/EU

Standards

BS EN 55022:2006+A2:2010 (CISPR 22:2005, Class B)

BS EN 55024:1998+A2:2003

Technical Specifications

Display	
Panel Size	12.1" diagonal
Resolution	XGA (1024 x 768 pixels)
Brightness	500cd/m ² (max)
Contrast Ratio	700:1
Response	35ms (Typical, Rising + Falling)
Viewing Angle	Horizontal ± 80° and Vertical ± 80° with CR = 10
Aspect Ratio	4:3
Colours	16.7M colours, 262K
Backlight Technology	LED
Surface Treatment	EMC Front Glass with embedded mesh
Video Inputs	
Analogue	1x PAL/NTSC
Video Outputs	
Analogue	1x PAL Test Pattern
Optional Inputs / Outputs	
Brightness Control	Via MIL-DTL 38999 (0-100%)
Contrast Control	Via MIL-DTL 38999
Command Link	RS232 via MIL-DTL 38999
Connectors	
	MIL-DTL 38999 (62GB-12E16-26PN)
	2xBNC (Video Input and Output)
Mechanical	
Weight (Approx.)	3.5Kg
Dimensions	322mm x 255mm x 54mm (Excludes rear handle)
Bessel Finish	DEF STAN 80-161 Matt Black
Fixings	6 x Captive Sprung Fasteners
Environmental	
Humidity	90% @ +40°C noncondensing
Protection Rating	IP65 / NEMA 4
Temperature	Operating Temperature: 0°C to +60°C
	Storage Temperature: -30°C to +85°C
	Cooling: No Moving Parts. Passive
Power	
	Input Voltage: 5V and 12V
	Power Consumption: 15W (5V @ 1.7A; 12V @ 0.5A)
Warranty	
	1 Year (extendable to 3 and 5 years)

Note:

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