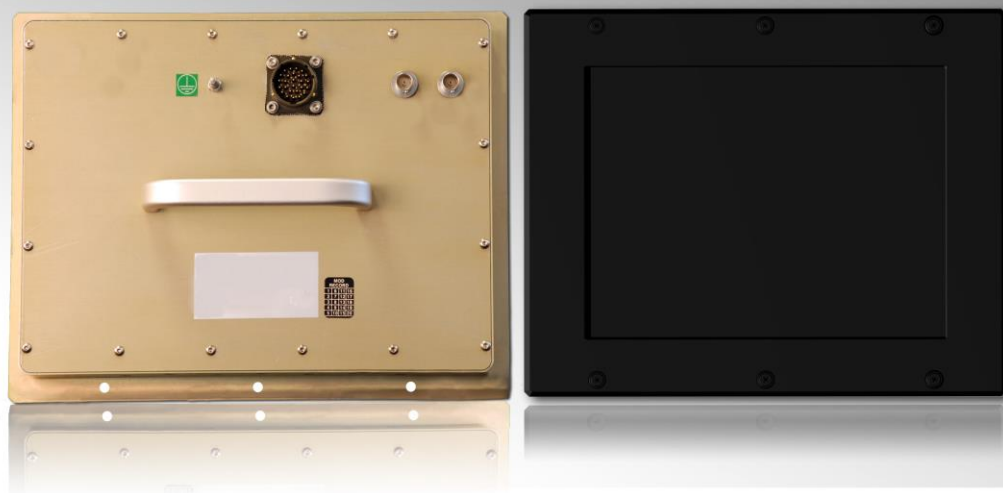


12.1" Computer/Video Display Monitor – Front Mounting



- **12.1" TFT LCD LED Backlight**
- **Resolution XGA (1024x768)**
- **VGA/DVI Video Inputs (up to 1600x1200)**
- **PAL/NTSC PIP capability**
- **On screen display of text and graphics**
- **Available with touch screen**
- **Rugged Machined Aluminium casing**
- **Black Front Bessel for front mounting applications**
- **IP65 environmentally sealed**
- **Text and graphics overlay capability**

The AV6511-121-FM1 is a 12.4" Rugged XGA computer and video 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. The enclosure is milled from a single aluminium block to ensure a rugged assembly.

It is capable of receiving analogue RGBHV or DVI input from a host computer and a PAL/NTSC video input simultaneously. As well as overlaying the PAL/NTSC image over the computer image, an overlay text/graphical function is also available. When fitted with a touch sensor (FM1T) selection information can be relayed back to the command computer.

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

12.1" Computer/Video Display Monitor – Front Mounting

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 |
| Colours | 16.7M colours, 262K |
| Backlight Technology | LED |
| Surface Treatment | Anti-glare, Hardness 3H |
| Video Inputs | |
| Analogue | 1x RGBHV computer video signal, 1 x PAL/NTSC |
| Digital | 1x DVI |
| Optional Inputs / Outputs | |
| Brightness Control | Via MIL-DTL 38999 connector |
| Contrast Control | Via MIL-DTL 38999 connector |
| Command Link | RS422 via MIL-DTL 38999 |
| Connectors | |
| | MIL-DTL 38999 (62GB-12E16-26PN) |
| | MIL-DTL 38999 (RGBHV & DVI) |
| | 2xBNC (Video Input and Output) |
| Mechanical | |
| Weight (Approx.) | 3Kg |
| 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 | 95% RH @ +40°C |
| 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: 12W (5V @ 1.7A; 12V @ 0.32A) |
| Warranty | |
| | 1 Year (extendable to 3 and 5 years) |

Note:

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