



- **10.4" TFT LCD LED Backlight**
- **Up to 16 PAL/NTSC video images can be tiled.**
- **Resolution XGA (1024x768)**
- **Customisable Overlay**
- **Programmable Edge Keys**
- **VGA/DVI input interface**
- **Extremely Rugged Enclosure**
- **Opto-isolated Inputs and Outputs for safe external peripheral control**
- **10/100 Base Ethernet Control**
- **Optional Touch Screen Interface**

The VDS768P16 is a ruggedised display with the capability of simultaneously displaying upto 16 video feeds. It features a 10.4" LCD display with a native display resolution of 1024 x 768.

The display has 20 customisable function keys and dedicated system keys which conforms to Def Stan 00-25. The display supports both PAL and NTSC video inputs which can be tiled in a range of formats.

Text and graphical overlay can be directly drawn onto the image by the internal ARM processor.

As well as a dedicated controller RS422 channel this are four RS422 channels for controlling external equipment such a daylight or thermal cameras.

Opto-isolated inputs (6) and outputs (12) allow safe connectivity to other peripherals.

The display enclosure is manufactured out of a solid piece of milled aluminium to withstand the most demanding environments across a wide range of operational conditions.

Technical Specifications

Display	
Panel Size	10.4" diagonal
Resolution	XGA (1024 x 768 pixels)
Brightness	375cd/m ² (max)
Contrast Ratio	700:1
Response	35ms (Typical, Rising + Falling)
Viewing Angle	Horizontal and Vertical ± 70° with CR = 10
Colours	16.7M colours, 262K
Backlight Technology	LED
Control Interfaces	
External Controller	1x RS422
External Peripheral	4x RS422
Ethernet Interface	10baseT/100baseT control channel
Video Inputs	
Composite	16x PAL/NTSC
VGA	1 x SXGA (1280x1024 @ 75Hz)
Video Outputs	
Composite	16 – Buffered loop through outputs of the video inputs 2 – Selectable/PIP copies of any of the video inputs
Bezel Keys	
	20 function keys
	8 fixed dedicated keys
	Up/Down (Dimmable LCD Backlight Operation)
	Power Button
	FWD camera
	Dimmable membrane backlight (Optional)
Optional Inputs / Outputs	
General Purpose	6 Opto-isolated Inputs; 12 Opto-isolated Outputs
Connectors	
	Amphenol Rugged MIL Standard Connectors (MIL-DTL 38999/3)
Mechanical	
Weight (Approx.)	6Kg
Dimensions	309mm(W) x 270mm(H) x 66.8mm(D)
Environmental	
Humidity	90% @ +40°C noncondensing
Ingress Protection	IP65
Temperature	Operating Temperature: -20°C to +60°C Storage Temperature: -30°C to +80°C Cooling: No Moving Parts. Passive Optional Extended Temperature Range (-46°C to +70°C)
Power	
	Input Power Voltage: 16-40V (28V Typical)
	Isolated DC/DC Converter (MIL-STD-1275 & MIL-STD-704)
	EMI & Transient Filter (Def Stan 61-5)

Please Note:

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