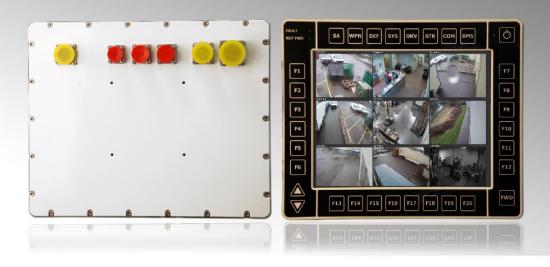




Ruggedised Flat Panel with 16 channel PIP capability



- 12.1 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 VDS769P16 is a ruggedised display with the capability of simultaneously displaying upto 16 video feeds. It features a 12.1" 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.

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Technical Specifications

Display	
Panel Size	12.1" diagonal
Resolution	XGA (1024 x 768 pixels)
Brightness	375cd/m² (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	<u> </u>
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: