High Quality, Rugged Military Display

Developed primarily for applications where operator viewability The 29LMV Series of LCD monitors have been designed to comply with military specifications to make it suitable for use within vehicles and areas where shock and vibration are key criteria.
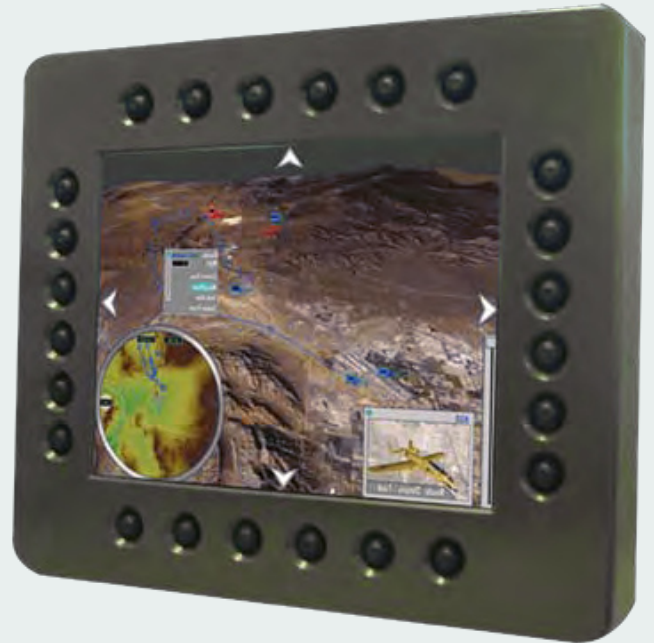
The LCD monitor module is housed in a rugged, painted aluminium metal case and is mounted through rear fixing points. EMC considerations include the use of extensive shielding.

The DC monitor has been designed to accept a wide range of signal timings from VGA to XGA, and set-up controls for fine-tuning of the display are located at the rear of the monitor. Once set, no further adjustments should be required and the last setting is stored in memory.

Features

- Helioview™ transflective panel for sunlight readability

- XGA / SVGA / VGA compatible

- Designed to comply with military specifications

- Resistive touchscreen

- Deep dimming for dark environment operation

- Mounting using 6 x M5 bushes, 10mm depth

- IP67 sealed

- Multiple user - assignable buttons: RS422

- Colour: BS381/285 Nato Green, smooth eggshell

12.1" LCD Heads for use in Military Vehicles 29LMV124DR32MPT

Display Specifications	
Type	a-Si TFT
Max. Resolution	1024 x 768 pixels
Active Display Area	245.76 x 184.32mm
Brightness	400/m^2
Backlight	CCFL x 2
Backlight life	50,000 hrs typical
Transflective	Helioview™ 1500cd/m^2 *equivalent in direct sunlight*
Contrast Ratio	600:1 typical
Viewing angles (at CR>10)	140˚H, 95˚V
Nr. of colours	16.7M
Response Time	16ms
Signal Inputs	
Video	Data
Input Connectors	MIL-Spec
Interface	LVDS
Multiscan Support	1024 x 768 XGA, 800 x 600 SVGA, 640 x 480 VGA
Horizontal Scan	31 - 60kHz
Vertical Scan	50 - 70Hz
Clock Rate	80MHz max
Controls	Brightness, OSD
Touchscreen	Resistive / RS422
Power Inputs	
DC Model	18 - 36V DC
Power Consumption	30W (normal operation 15-20W) 50W to raise from -40˚C
Physical / Environmental	
Dimensions (approx)	380 x 320 x 50mm
Weight (approx)	2.5kg
Operating Temperature:	-40 to 60˚C
Storage Temperate	-40 to 70˚C
Approvals	
Designed to comply	MIL-STD-810F MIL-STD-1275-B MIL-STD-461E CE
Part numbers	
Model	29LMV124DR32MPT

Specifications are subject to change without notice.

- **Monitors**
  Desktop Monitors
  Large screen Monitors
  Custom-made Monitors
  19" Rack Mount Monitors
  Rear Mount Monitors
  Monitors for Panel Mount
  Monitors for VESA Mount
  Kiosks
  Accessories

- **Monitors – Specific applications**
  Stainless Steel Monitors
  Car Displays
  Marine Monitors
  Military Monitors
  Replacement Monitors
  Train Monitors

- **Panel PC's**
  High Performance Systems
  Custom made Panel PC's
  Low Power Systems
  Extreme environments

- **Pointing devices**
  Accessories
  Touchpads
  Trackballs
  Trackball Modules
  Joysticks
  Custom made Pointing Devices

- **Keyboards**
  Desktop Keyboards with or without pointer
  Built-in Keyboards with or without pointer
  Cables & Connectors
  Custom made Keyboards

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