

# 8.4" / 10.4" / 12.1" LCD HEADS FOR USE IN MILITARY VEHICLES



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.

Available sizes: 8.4", 10.4", 12.1"

- Helioview™ transfective 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

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SPECIFICATION	8.4" LCD HEAD	12.1" LCD HEAD
<b>DISPLAY</b>		
Type:	a-Si TFT	a-Si TFT
No. Colours:	16.7M	16.7M
Max Resolution:	800 x 600 pixels	1024 x 768 pixels
Active Display Area:	170.4 x 127.8mm	245.76 x 184.32mm
Backlight:	CCFL x 2	CCFL x 2
Backlight Life:	50,000 hours typical	50,000 hours typical
Brightness:	650cd/m <sup>2</sup> typical	400cd/m <sup>2</sup>
Transflective:	Helioview™ 1500cd/m <sup>2</sup> equivalent in direct sunlight	Helioview™ 1500cd/m <sup>2</sup> equivalent in direct sunlight
Contrast Ratio:	600:1 typical	600:1 typical
Viewing Angles:	160 ° H, 140 ° V	140 ° H, 95 ° V
Response Time:	12ms	16ms
<b>SIGNAL INPUTS</b>		
Video:	Data	Data
Input Connectors:	MIL-SPEC	MIL-SPEC
Interface:	LVDS	LVDS
Multiscan Support:	1024 x 768 XGA 800 X 600 SVGA 640 X 480 VGA	1024 X 768 XGA 800 X 600 SVGA 640 X 480 VGA
Horizontal Scan:	31 - 60kHz	31 - 60kHz
Vertical Scan:	50 - 70Hz	50 - 70Hz
Clock Rate:	80MHz max	80MHz max
Controls:	Brightness, OSD	Brightness, OSD
Touchscreen:	Resistive / RS422	Resistive / RS422
<b>POWER INPUTS</b>		
DC Model:	18 - 36V DC	18 - 36V DC
Power Consumption:	28W (normal operation 15-20W) 50W to raise from -40°C	30W (normal operation 15-20W) 50W to raise from -40°C
<b>PHYSICAL/ENVIRONMENTAL</b>		
Dimensions (approx):	315 x 255 x 50mm	380 x 320 x 50mm
Weight (approx):	2kg	2.5kg
Operating Temperature:	-40 to 60°C	-40 to 60°C
Storage Temperature:	-40 to 70°C	-40 to 70°C
<b>SPECIFICATIONS</b>		
Designed to comply:	MIL-STD-810F MIL-STD-1275-B MIL-STD-461E CE	MIL-STD-810F MIL-STD-1275-B MIL-STD-461E CE
PART NUMBER	29LMV084DR32MPT	29LMV124DR32MPT

