

# 19" HEAD MOUNT MILITARY MONITOR

29LM1903A31MP-M

DATASHEET

## HIGH QUALITY, RUGGED MILITARY DISPLAY

The 29LM1903A31MP-M Series of LCD monitors has been designed for industrial applications that require a compact XGA/SXGA compatible monitor with good viewability. It is constructed from painted aluminium, making it lightweight with good rigidity.

The 29LM1903A31MP-M Series incorporates rugged chassis construction for shock and vibration. With wide viewing angles and deep dimming capabilities, this series of monitors is ideal for the more demanding of applications. The 31MP-M series has been designed to comply with military standards for shock & vibration and EMC.

### SOLUTIONS FOR THE MILITARY ENVIRONMENT

- > Rugged Design for Vehicle Mounting
- > Non-glare Glass Protection Screen, AR Coated
- > High Brightness & Wide Viewing Angles
- > Deep Dimming Capability
- > VESA Standard Rear Fixing



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Electrical Description		Mechanical Description	
<b>TFT Characteristics:</b>		<b>Dimensions:</b>	Monitor: 453(w) x 397(h) x 76(d) mm (approx) Weight: 12kg Max.
Type:	AM Colour TFT		
Max Resolution:	1280 x 1024 pixels	<b>Housing</b>	Aluminium
Active Display Area:	376 x 301mm		
Brightness:	250cd/m2 typical		
Contrast Ratio:	1000:1 typical	<b>Environment</b>	
Response Time:	10ms average, typical	<b>Operating Temp:</b>	-10°C to +55°C
Viewing Angles (at CR>10):	178 ° / 178 °	<b>Storage Temp:</b>	-20°C to 60°C
No. Colours:	16 million	<b>Sealing:</b>	IP65min
<b>Connector:</b>	Power: 851-02R123P50 Signal: 8STO-12G35SN		
<b>Synchronisation Range:</b>			
Horizontal scan:	15kHz (PAL) -63.81kHz	Shock:	Mil-STD-810F
Vertical scan:	56 - 60Hz	Vibration:	Mil-STD-810F
		EMC:	Mil-STD-461E
<b>Display Modes:</b>	1280 x 1024 SXGA (recommended mode) 1024 x 768 XGA 800 x 600 SVGA 640 x 480 VGA		
Controls:	Front and Rear Panel		
<b>Power Supply:</b>	90-265V AC 50-60Hz		
<b>Power Consumption:</b>	60W (Max)	<b>Part Numbers:</b>	
		Model number:	29LM1903A31MP-M
		DC monitor:	29LM1903D31MP-M
		AC Touchscreen (resistive):	29LM1903AR31MP-M
		DC Touchscreen (resistive):	29LM1903DR31MP-M

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