

# 20.1" HEAD MOUNT MILITARY MONITOR

## 29LM203A31MP-M

# DATASHEET

## HIGH QUALITY, RUGGED MILITARY DISPLAY

The 29LM203A31MP-M Series of LCD monitors has been designed for industrial applications that require a compact VGA/UXGA compatible monitor with good viewability. It is constructed from painted Aluminium, making it lightweight with good rigidity.

The 29LM203A31MP-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 35MP-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>   | Type:   | AM Colour TFT               | Monitor: TBD    |
|                               | Max Resolution:   | 1600 x 1200 pixels          | Weight: TBD     |
| Active Display Area:          | 408 x 306mm   | <b>Housing</b>              | Aluminium       |
| Response Time:                | 15ms average, typical   |                             |                 |
| Contrast Ratio:               | 800:1 typical   | <b>Environment</b>          |                 |
| Brightness:                   | 300cd/m <sup>2</sup> typical                                    | <b>Operating Temp:</b>      | -15°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<br>Signal: 8STO-12G35SN                    |                             |                 |
| <b>Synchronisation Range:</b> | Horizontal scan: 15kHz (PAL) -91kHz<br>Vertical scan: 56 - 85Hz | Shock:                      | Mil-STD-810F    |
| <b>Display Modes:</b>         | 1600 x 1200 UXGA (recommended mode)                             | Vibration:                  | Mil-STD-810F    |
|                               | 1280 x 1024 SXGA  | EMC:                        | MIL-STD – 461E  |
| 1024 x 768 XGA                |   |                             |                 |
| 800 x 600 SVGA                |   |                             |                 |
| 640 x 480 VGA                 |   |                             |                 |
| Controls:                     | Front panel   |                             |                 |
| <b>Power Supply:</b>          | 90 - 265V AC 50-60Hz  |                             |                 |
| <b>Power Consumption:</b>     | 60W (Max)   | <b>Part Numbers:</b>        |                 |
|                               |   | Model number:               | 29LM203A31MP--M |
|                               |   | DC Monitor:                 | 29LM203D31MP-M  |
|                               |   | AC Touchscreen (resistive): | 29LM203AR31MP-M |
|                               |   | DC Touchscreen (resistive): | 29LM203DR31MP-M |

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