

# 57" WIDESCREEN LCD MARINE HEAD MONITOR

29LM573003

DATASHEET

## WIDESCREEN XGA MULTISCAN CAPABILITY

The 29LM573003 Series of 57" LCD monitors has been designed primarily for external information applications in the maritime environment. They utilise WXGA TFT panels with KME designed mechanical enhancements to give superior image performance and ruggedness. The IP model provides additional sealing to IP65 in a rugged metal housing with glass protection making it suitable for sheltered outdoor applications.

Also available in sizes 40", 46" and 52" the high brightness and wide viewing angles enable superior image performance with rugged construction.

Full user controls are provided on the monitor head with the AC power supply integrated.

The monitor is suitable for use with 16:9, 4:3 and 5:4 aspect ratio video; its multiple video inputs make it usable in a range of applications with simple interfacing to most video and data systems.



### SOLUTIONS FOR MARINE APPROVED MONITORS

- > **Versatile Display Head**
- > **IP65 sealed housing with protective sunscreen**  
The front is sealed to IP65 rating for water and dust resistance.
- > **Certified & Approved**  
The marine range is designed to comply with EN 60945
- > **Inputs**  
All monitors have VGA (multi scanning), DVI and PAL.  
Power 110-220V AC.
- > **Widescreen (16:9) formats up to WSXGA resolution.**

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| Electrical Description   |  | Mechanical Description               |   |
|--|--|--------------------------------------|---|
| <b>TFT Characteristics:</b>  |  | <b>Dimensions:</b>                   | Monitor: 1360 x 814 x 155 mm<br>Weight: 85kg (approx) |
| Type:  | 57" a-Si AM TFT  | <b>Input Connectors:</b>             | HD 15 D-Sub / BNC                                     |
| Max Resolution:  | 1920 x 1080 pixels   |                                      |   |
| Active Display Area:   | 1251.3x 703.8 mm   | <b>User Controls:</b>                | Rear Mounted  |
| Response Time:   | 4ms average, typical   | <b>Housing:</b>                      | Aluminium   |
| *Contrast Ratio:   | 1200:1 typical   | <b>Sealing:</b>                      | IP65 on front   |
| *Brightness:   | 600cd/m <sup>2</sup> typical   | <b>Approvals</b>                     |   |
| Viewing Angles (at CR>10):   | 170° / 170°  | <b>ECDIS &amp; Radar Compliance:</b> |   |
| Backlight Life:  | 50,000 typical   | IEC 61174:                           | Designed to comply                                    |
| No. Colours:   | 16.7 million   | <b>EMC &amp; Safety:</b>             |   |
|  |  | EN 60950                             | Designed to comply                                    |
|  |  |                                      |   |
| <b>Synchronisation Range:</b>  | Horizontal scan: 30-70 kHz<br>Vertical Scan: 50-85 Hz  |                                      |   |
| <b>Display modes:</b>  | 640 x 480 VGA<br>800 x 600 SVGA<br>1024 x 768 XGA<br>1280 x 1024 SXGA<br>1360 x 768<br>1920 X 1080(recommended)  |                                      |   |
| <b>Power Supply:</b>   | 110/220V 50/60Hz   | <b>Part Numbers:</b>                 |   |
| <b>Power Consumption:</b>  | 420W Max   |                                      |   |
| <b>Environmental:</b> **Operating Temp:<br>Storage Temp:<br>Operating Humidity:<br>Storage Humidity:<br>Shock:<br>Vibration:               | -15 to +55 °C (IEC 60945 tests)<br>-20 to +60 °C<br>30% to 90% (non condensing)<br>10% to 90% (non condensing)<br>10g, 11msec ½ sine<br>+/-1mm, 2 to 13Hz: 0.7g, 13 to 100Hz | Monitor (Black finish):              | 29LM573003  |
| **Quoted EN60945 test. We do not recommend routine operation at extreme temperatures<br>* Brightness and Contrast refer to naked LCD panel |  |                                      |   |

Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trademarks acknowledged.

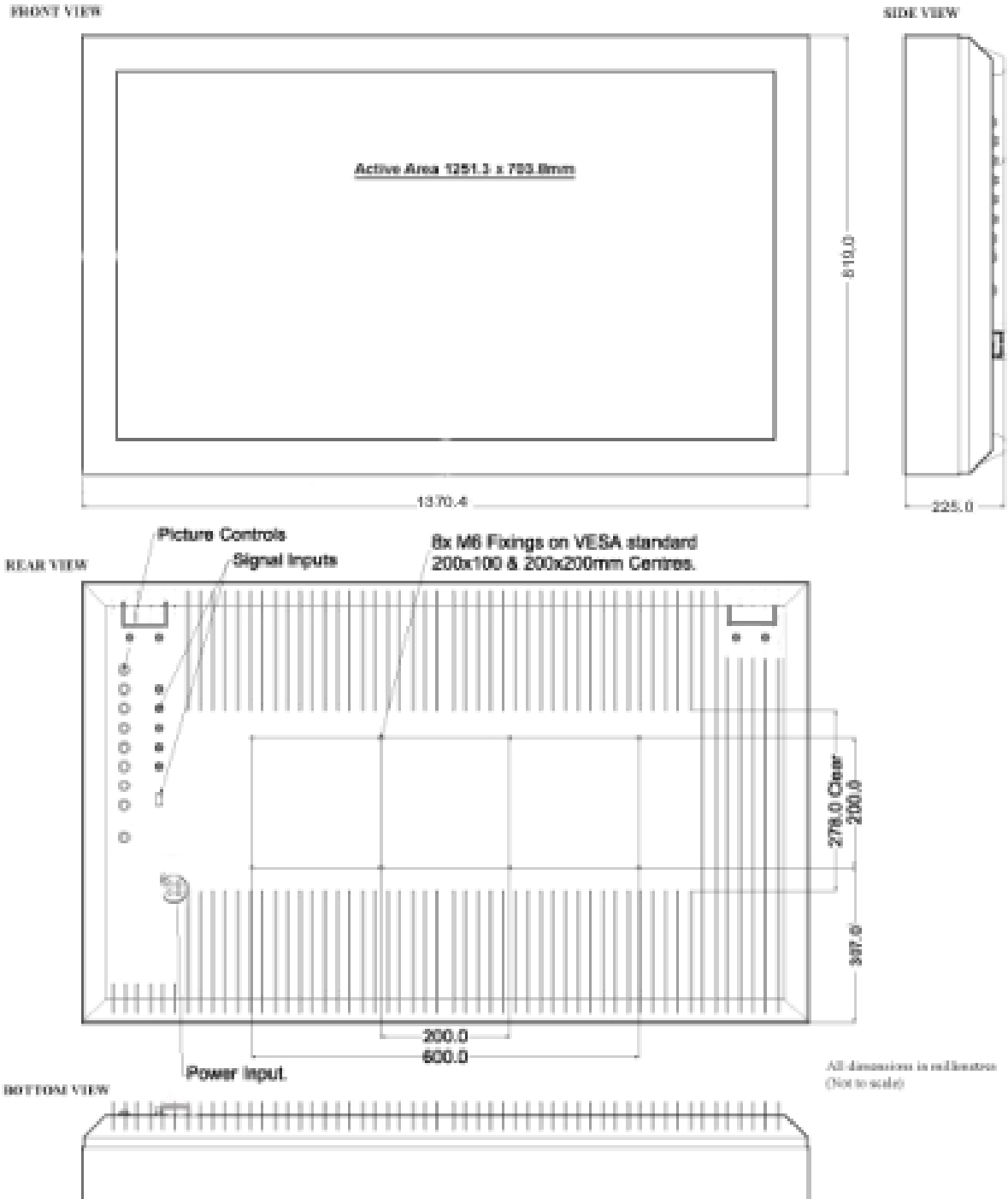
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