

# 46" WIDESCREEN LCD MARINE HEAD MONITOR

29LM463003

DATASHEET

## WIDESCREEN XGA MULTISCAN CAPABILITY

The 29LM463003 Series of 46" 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 32", 40" and 57" 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 WXGA resolution**
- > **Rugged Construction with Safety Faceplate**

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Electrical Description		Mechanical Description	
<b>TFT Characteristics:</b>		<b>Dimensions:</b>	Monitor: 1126 x 682 x 155 mm
Type:	40" a-Si AM TFT	Weight:	65kg (approx)
Max Resolution:	1366 x 768 pixels	<b>Input Connectors:</b>	HD 15 D-Sub / BNC
Active Display Area:	1018.3x 572.5 mm	<b>User Controls:</b>	Rear Mounted
Response Time:	8ms average, typical	<b>Housing:</b>	Aluminium
*Contrast Ratio:	800:1 typical	<b>Sealing:</b>	IP65 on front
*Brightness:	500 cd/m <sup>2</sup> typical	<b>Approvals</b>	
Viewing Angles (at CR>10):	178° / 178°	<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		
Vertical Scan:	50-85 Hz		
<b>Display modes:</b>	640 x 480 VGA 800 x 600 SVGA 1024 x 768 XGA 1280 x 1024 SXGA 1360x768 1366x768 WXGA(recommended)		
<b>Power Supply:</b>	110/220V 50/60Hz	<b>Part Numbers:</b>	
<b>Power Consumption:</b>	330W Max.		
<b>Environmental:</b>	**Operating Temp: -15 to +55 °C (IEC 60945 tests) Storage Temp: -20 to +60 °C Operating Humidity: 30% to 90% (non condensing) Storage Humidity: 10% to 90% (non condensing) Shock: 10g, 11msec ½ sine Vibration: +/-1mm, 2 to 13Hz: 0.7g, 13 to 100Hz	Monitor (Black finish):	29LM463003
**Quoted EN60945 test. We do not recommend routine operation at extreme temperatures * 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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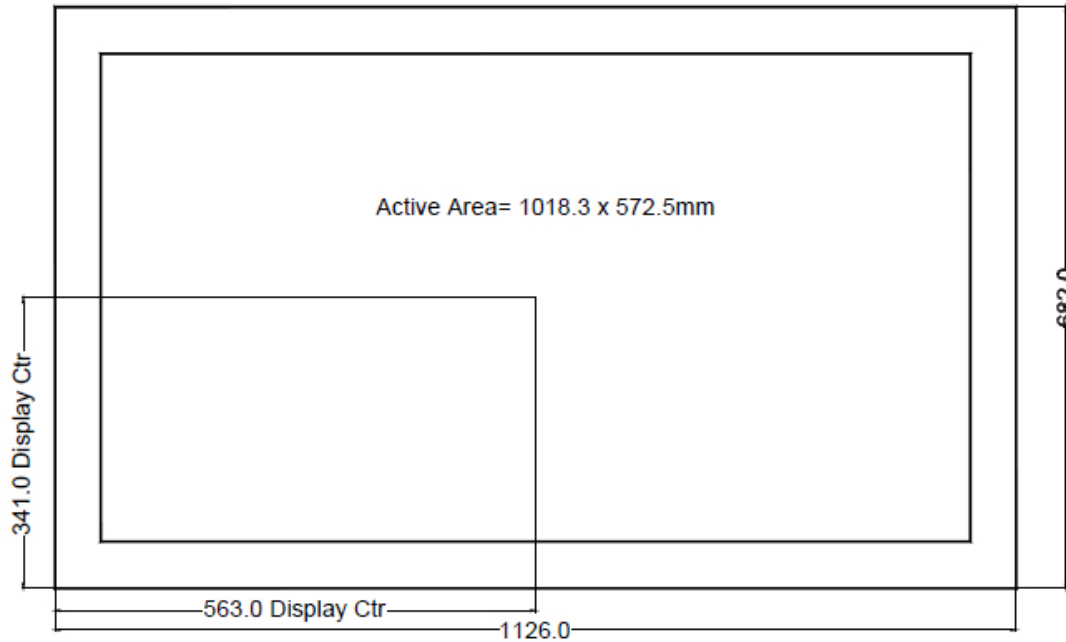


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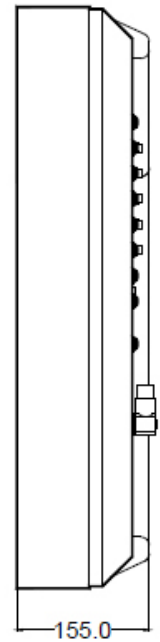
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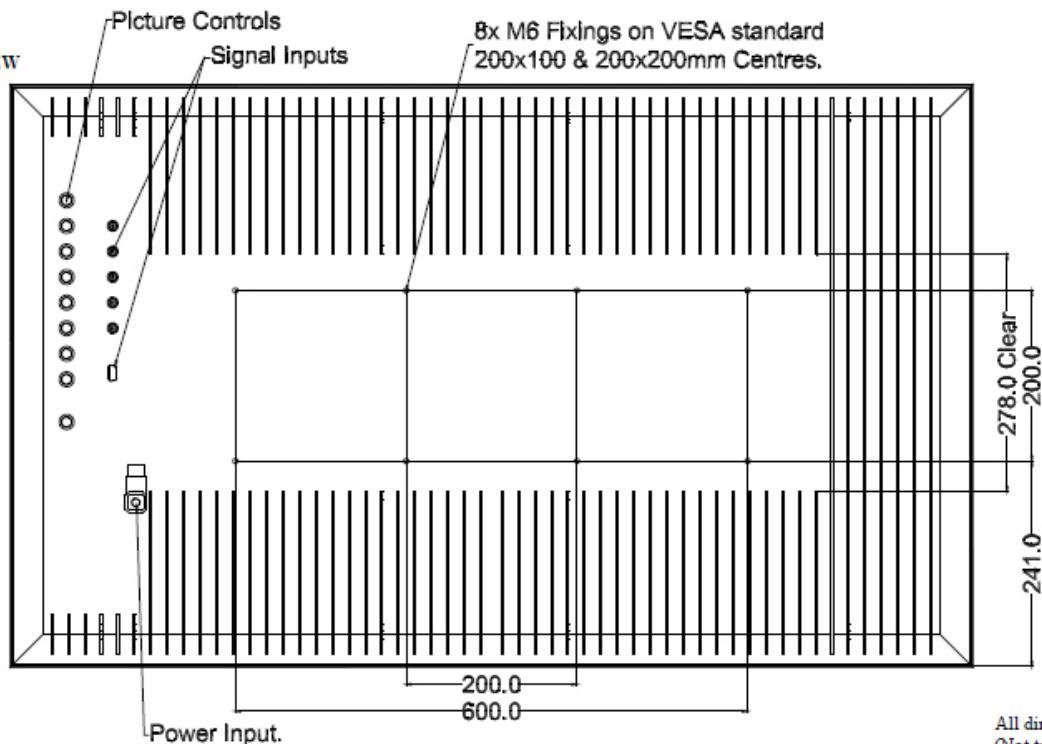
FRONT VIEW



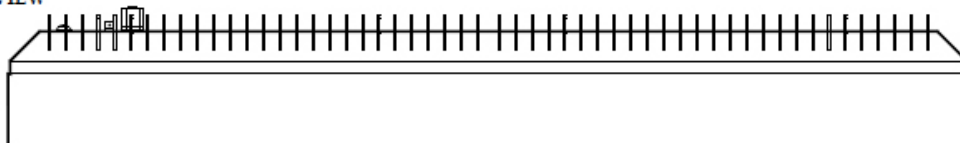
SIDE VIEW



REAR VIEW



BOTTOM VIEW



All dimensions in millimetres  
(Not to scale)

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