zenitel

DATASHEET



2310120095

HD 19T22 Maritime Multi Display

19.0 inch Maritime Multi Display - Series X G2

- High Quality TFT with LED Backlight
- 19.0 inch viewable image size, Aspect Ratio 5:4
- TFT active-matrix liquid crystal panel
- MVA (Multi-domain Vertical Alignment) LCD Technology
- Series X G2
- IEC60945 (EN 60945:2002)

Description

HD 19T22 MMD which is part of the "Series X Generation 2 (G2)" displays offer the ultimate in performance, convenience, state of the art design and enduring quality for system integrators and boat builders. Series X G2 products offer a range of feature sets optimized for varying requirements and applications.

Marine Display

The Series X G2 marine display range is a flexible monitor solution designed and type approved for the professional maritime segment, where reliability and long life time are key prerequisites for the industry. The product range combines stunning design and technology with innovative features and options, making it all that the integrator needs for top class type-approved marine systems.

The multi-input MMD models provide a wide choice of display size and format for a multitude of shipboard applications, where combining data and video inputs to a single unit provides maximum flexibility. Be it for ship navigation, automation or security, this range with all it's possible options provides a robust and multipurpose platform from which to display and manage data and multiple camera or sensor videos.

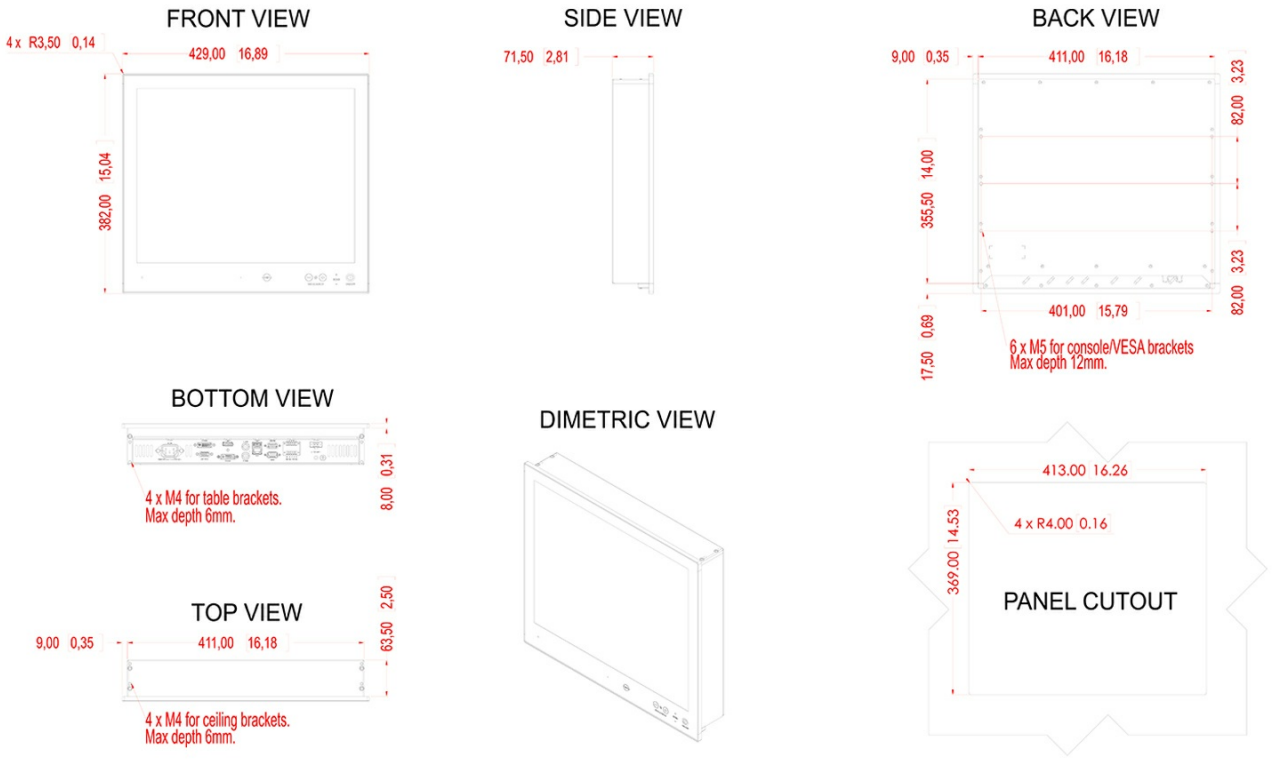
Series X Generation 2 (G2) displays feature Glass Display Control, LED Backlight Technology, full dimming and multipower as standard, and can also accomodate and combine a number of options such as multi-touch screen, optical bonding, sunlight readability (High Bright) and ECDIS calibration. By factory standards the 19 inch unit is ECDIS Compliant.

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Technical Dimensions



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Specifications

TFT TECHNOLOGY
• High Quality TFT with LED Backlight Technology
• 19.0 inch viewable image size, Aspect Ratio 5:4
• TFT active-matrix liquid crystal panel
• MVA (Multi-domain Vertical Alignment) LCD Technology

TFT CHARACTERISTICS
Native Resolution: 1280 x 1024
Pixel Pitch (RGB): 0.294 (H) x 0.294 (V) mm
Response Time: 35ms (typical), “black” to “white”
Contrast Ratio Standard: 1500:1 (typical)
Contrast Ratio High Bright: 2000:1 (typical)
Light Intensity Standard: 350 cd/m² (typical)
Light Intensity High Bright: 1000 cd/m² (typical)
Viewable Angle Standard: +/- 85 deg. (typical) (Up/Down/Left/Right)
Viewable Angle High Bright: +/- 89 deg. (typical) (Up/Down/Left/Right)
Active Display Area: 376.32 (H) x 301.056 (V) mm
Max Colors: 16.7 million

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SUPPORTED SIGNALS

Resolutions:	
	VGA : 640 x 480 (including 640 x 350)
	SVGA : 800 x 600 (including 720 x 400)
	XGA : 1024 x 768
	SXGA : 1280 x 1024*
	* Recommended for optimum picture quality
Video Signals:	
	Interlaced HDTV, NTSC, PAL and SECAM video
	Composite video

POWER SPECIFICATIONS

Multi-power Supply	100-240V AC - 50/60Hz + 24 VDC
	Note: You may connect either AC power or DC power or both. In case both sources are connected, power will be sourced from the AC input. If AC input is lost, there will be a uninterrupted switch-over to DC input.
Power Consumption	Operating AC/DC: 32W (max)

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DIMENSIONS AND ENVIRONMENT

W:429.00 [16.89"] x H:382.00 [15.04"] x D:71.50 [2.81"] mm [inch]
Weight: Approx. 8.1kg / 17.8lbs
Operating : Temperature - 15°C to +55°C
Storage : Temperature - 30°C to +70°C
Humidity : Up to 95%
IP Rating : Protection: IP66 front – IP22 rear (EN60529)
Compass Safe Dist. : Standard: 90cm - Steering: 45cm

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SIGNAL TERMINALS:

DVI-I IN	2 x 29p DVI Female (or as VGA IN with adapter)*
DP1.2 IN	1 x 20p DisplayPort (female)
Comp. Video IN	2 x BNC Connector (female)
SCOM RS-422/485	2 x 5-pin Terminal Block 3.81, non-isolated+Buzzer
SCOM+Touch	1 x USB TYPE A Connector (female)
SCOM Ethernet	1 x RJ45 Connector for Remote Control
SCOM RS-232	1 x 9p D-SUB (female) non-isolated+Buzzer
VGA OUT	1 x 15p HD D-SUB (female) - Clone of VGA IN**
Potmeter/User	1 x 9p D-SUB (male) / (Potentiometer IN, +5VDC OUT, BRT +/- IN)
AC Power IN / DC Power IN	1 x Std IEC Inlet / 1 x 2-pin Terminal Block 5.08
	* DVI-I Port #1 as VGA IN also acts as clone to VGA Signal Out (buffered).
	**Tested at recommended resolutions. The VGA output signal (buffered) is at same resolution and sync as the VGA input. The output is working even if the display unit is turned off, but power cable/supply must be connected/provided.
Note for DVI and VGA signal inputs:	
	DVI-I #1, DVI-D #1 and VGA #1 is Single Link.
	DVI-I #2, DVI-D #2 and VGA #2 is Dual Link.

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