zenitel

DATASHEET

2310120094

HD 19T21 STD Marine Display



19" Marine display IEC60945 approved

- 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

Description

HD 19T21 STD which is part of the "Series X Displays" offer the ultimate in performance, convenience, state of the art design and enduring quality for system integrators and boat builders. Series X products offer a range of feature sets optimized for varying requirements and applications.

Marine Display

The Series X 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 entry level STD models provide a wide choice of display size and format for shipboard applications where simple data input (DVI & VGA) is required. Be it for ship navigation or automation, this range with all it's possible options provides a robust and cost effective platform from which to display and manage data.

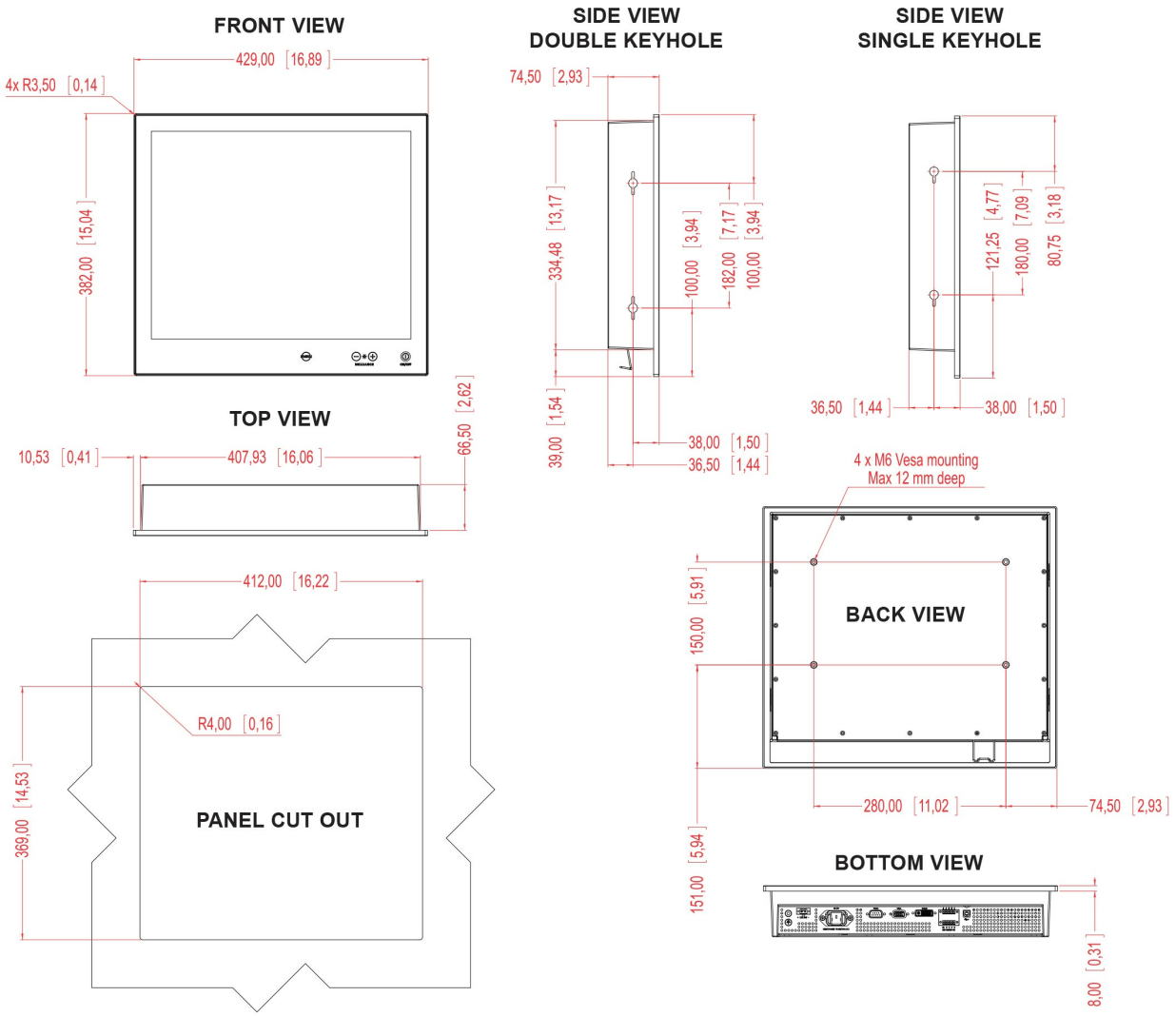
Series X displays feature Glass Display Control™, LED Backlight Technology, full dimming and multipower as standard, and can also accomodate and combine a number of options such as multitouch screen and optical bonding.

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Technical Dimensions



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Specifications

TFT TECHNOLOGY: PHYSICAL CONSIDERATIONS:

• 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

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	1500:1 (typical)
Light Intensity	350 cd/m² (typical)
Viewable Angle	+/- 85 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:

• VGA : 640 x 480 (including 640 x 350)
• VGA : 640 x 480 (including 640 x 350)
• XGA : 1024 x 768
• SXGA : 1280 x 1024*
* Recommended for optimal picture quality
Note: Other resolutions will be scaled full screen, unit has no scaling support.

POWER SPECIFICATIONS:

Multi-power Supply:	100&230VAC - 50/60Hz + 24 VDC - HD 19T21 STD-Mxx-Fxxx
	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 Standard : 33W (typ) - 125W (max)

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SIGNAL TERMINALS:

• DVI-D Signal IN :	1 x 24p DVI (female)
• RGB Signal IN :	1 x 15p HD D-SUB (female)
• SCOM RS-422/485 :	1 x 5-pin Terminal Block 3.81, non-isolated+Buzzer
• SCOM RS-232 :	1 x 9p D-SUB (female) non-isolated+Buzzer
• If Touchscreen :	1 x USB TYPE B Connector (female)
• AC Power IN :	1 x Std IEC Inlet
• DC Power IN :	1 x 2-pin Terminal Block 5.08

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DIMENSIONS AND ENVIRONMENT
W:429.00 [16.89"] x H:382.00 [15.04"] x D:74.50 [2.93"] mm [inch]
4 x M6 VESA mounting 280x150mm, Max 12mm deep
Weight: 7.8kg / 17.2lbs
Operating : Temperature - 15 deg. C to +55 deg. C - Humidity up to 95%
Storage : Temperature -20 deg. C to +60 deg. C - Humidity up to 95%
IP Rating : Protection: IP66 front - IP22 rear (EN60529)
Lifetime Considerations: Even though the test conditions for bridge units provide for a maximum operating temperature of 55°C, continuous operation of all electronic components should, if possible, take place at ambient temperatures of only 25°C. This is a necessary prerequisite for long life and low service costs.

Accessories

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17 to 19 inch Monitor Mount

Monitor Mount

Item Number: 2310111141

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