zenitel

DATASHEET



2310102117

HD 27T22 27 inch Marine Display MMD

27 inch Flush Mount Display

- LED Backlight Technology Color Active Matrix
- 27.0 inch viewable image size, Widescreen, Aspect Ratio 16:9
- Behind front bezel - Glass Display Control™ (GDC) IP66

IP66

Description

The HD 27T22 27 inch Marine Display MMD offers 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.

The HD 27T22 27 inch Marine Display MMD display 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.

HD 27T22 27 inch Marine Display MMD

The multi-input MMD models provide a wide choice of display size and format for a multitude of shipboard applications,

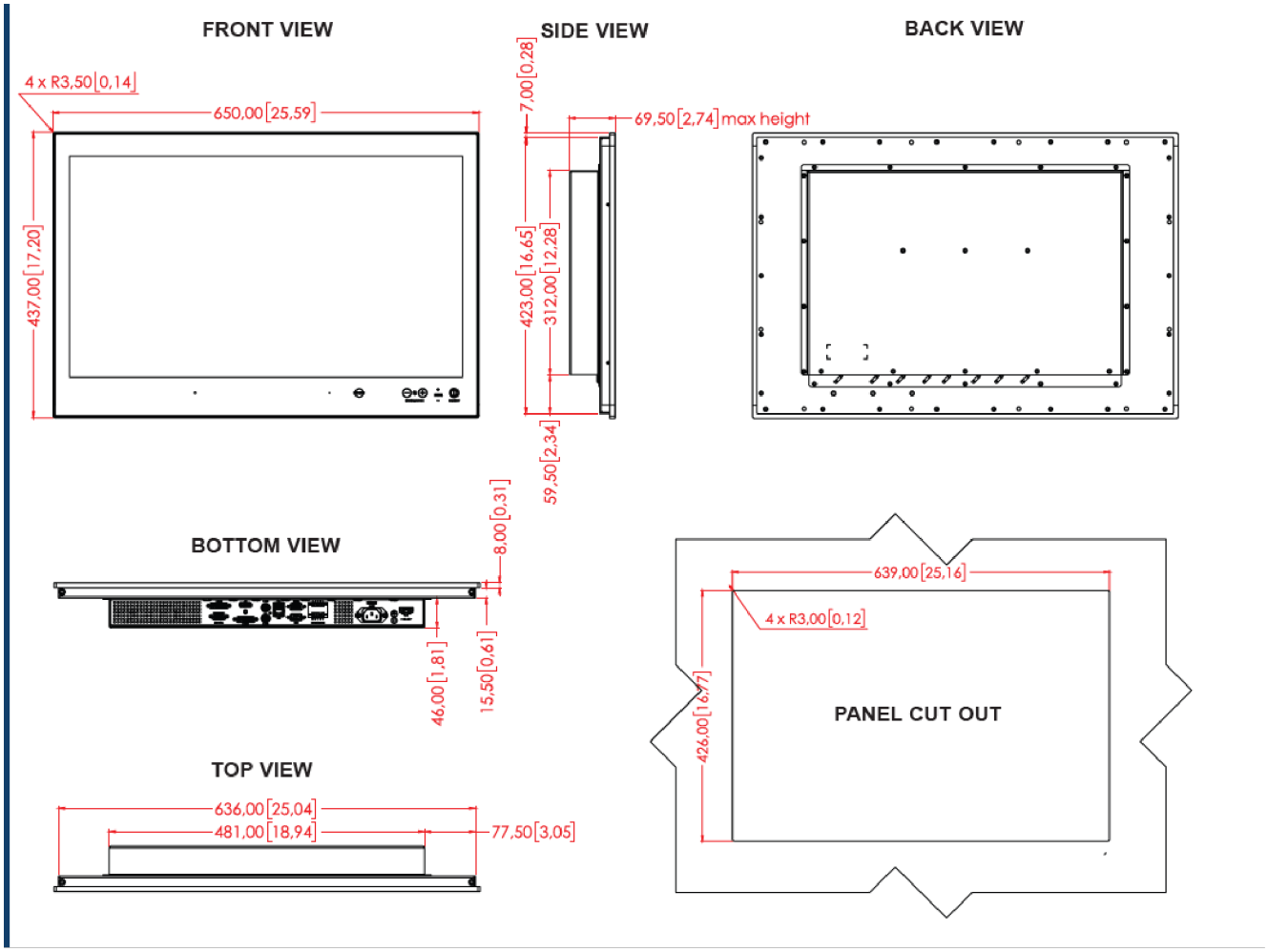
Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

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.

The HD 27T22 27 inch Marine Display MMD features Glass Display Control, LED Backlight Technology, full dimming and multipower as standard, and can also accommodate and combine a number of options such as multi-touch screen, optical bonding and ECDIS calibration. By factory standards the 27 inch unit is ECDIS Compliant.

Technical Dimensions



Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

Specifications

TFT CHARACTERISTICS

Native Resolution	1920 x 1080 (FHD)
Pixel Pitch (RGB)	0.31125 (H) x 0.31125 (V) mm
Response Time	12 ms (typical) (on/off)
Contrast Ratio	3000:1 (typical)
Light Intensity	300 cd/m² (typical)
Viewable Angle	+/- 89 deg. (typical) (Up/Down/Left/Right)
Active Display Area	597.6 (H) x 336.15 (V) mm
Max Colors	16.7 million

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
UXGA	1600 x 1200
FHD	1920 x 1080*
VIDEO Signals	Interlaced HDTV, NTSC, PAL and SECAM video,Composite video

SIGNAL TERMINALS

DVI-I IN	2 x 29p DVI Female (or as VGA IN with adapter)*
DP1.2 IN	1 x 20p DisplayPort (female)
	2 x BNC Connector

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

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
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**
USER Interface	1 x 9p D-SUB (male) - Potentiometer Analog Input, User Brightness (BRT), I2C and +5VDC & +12VDC OUT
AC Power IN	1 x Std IEC Inlet
DC Power IN	1 x 2-pin Terminal Block 5.08
	* DVI-I Port #1 can function as VGA IN for clone to VGA Signal Out (buffered).
	* DVI-I Port #2 can function as VGA IN, no clone to VGA Signal out supported.
	**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: DVI-I #1, DVI-D #1 and VGA #1 is Single Link.

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

	Note: DVI-I #2, DVI-D #2 and VGA #2 is Dual Link.

PHYSICAL CONSIDERATIONS

Dimensions	W:650.00 [25.59"] x H:437.00 [17.20"] x D:69.50 [2.74"] mm [inch]
Weight	Approx. 11.0kg / 24.2lbs

ENVIRONMENTAL CONSIDERATIONS

Operating	Temperature -15°C to +55°C
Storage	Temperature -30°C to +70°C
Humidity	Up to 95% (Operating / Storage)
Shock-Vibration	5g/11ms - 0.7g (IEC 60945 / IACS E10)
Air Pressure Maximum Altitude	Operating: 4000m- Storage: 12912m
Air Pressure Maximum Altitude (Bonded)	Operating: 3000m- Storage: 3000m
IP Rating	Protection: IP66 front – IP22 rear (EN60529)
Compass Safe Distance	Standard: 190cm - Steering: 110cm

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

POWER SPECIFICATIONS

Multi-power Supply	100-240V AC - 50/60Hz + 24 VDC
Power Consumption	Operating AC/DC: 75W (max)
	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.

www.zenitel.com info@zenitel.com Last revision date: 2024-06-27 13:47

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.