



Solutions for Demanding Applications

21.3" UXGA Marine Grade VESA Mount Monitor

A high resolution marine quality monitor that offers flexible mounting combinations such as 100mm VESA standard fixings at the rear, and a separate mounting bracket for control desk or overhead positioning. The TFT Monitor is manufactured in full compliance with IACS E10. The flat panel is designed with ECDIS and Radar in mind and to specifically meet the stringent demands of shock, vibration, EMC and EMI defined in the IEC 60945 International Standard for Maritime Navigation and Radio Communications Equipment & Systems. The monitor offers continuity by design for all navigation and ship automation applications.



SPECIFICATIONS

FEATURES

- ◆ 21.3" Bright Active Matrix TFT Display, 250 nits (cd/m²)
- ◆ Input Connectors: 2 x Phono, 15-pin HD Female D-Type, RCA + S-video socket, 9-pin Male, D-Type and 3-Pin IEC Male
- ◆ Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity (VBOND)
- ◆ Advanced Deep Dimming 2000:1, Integrated with a deep dimming solution for the marine range which provides smooth consistent dimming to 2000:1
- ◆ Compliant to IEC 60945, IEC 61174, EN 60950
- ◆ Contrast Enhancing AR Safety Glass
- ◆ ECDIS & Radar Compliant
- ◆ Video Buffer & Remote Control
- ◆ High Contrast Ratio & Definition, Outstanding Vivid Color & Image Quality
- ◆ Wide Color Gamut
- ◆ 16.8 million colors
- ◆ Energy Efficient, Low Power Consumption
- ◆ High Environmental Performance and Reliability
- ◆ Anti-Reflective Protective Window
- ◆ UXGA (1600 x 1200) Resolution
- ◆ Wide Operational Temperature Range, -15°C to +55°C (5°F to +131°F)
- ◆ RoHS Compliant
- ◆ Engineered and Manufactured by VarTech Systems, an ISO 9001 Registered Company
- ◆ Engineered, Fabricated and Assembled in the USA
- ◆ Two (2) Year Warranty

Display Size
21.3 Inch

Analog RGB 0.7-1.0V p-p, 75 ohm, DVI, PAL/NTSC & SECAM with picture-in-picture facility

Panel Type
TFT Active

Sync
Separate H & V (=ve) TTL or Composite (-ve) TTL or Sync - on - Green (-ve) 0.3V

Resolution Capabilities
UXGA*

Power Source
90-265V AC 50/60Hz

Pixel Format
640 x 480, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200*

Power Consumption
65W max

Dot Pitch
.27mm

Temperature
Operating: -15 to 55°C (5° to 131°F)
Storage: -20 to 60°C (-4° to 140°F)

Active Display Area
432mm(w) x 324mm(h)

Humidity
Operating: 30 to 90%NC
Storage: 10 to 90%NC

Viewing Angle
Left / Right: 170°
Up / Down: 170°

Response Time
25 ms average, typical

Contrast Ratio
500:1 min

Housing
Aluminum

Brightness
250 nits (cd/m²) typical

Monitor Dimensions
20"(w) x 16.54"(h) x 3.30"(d)
508mm(w) x 420mm(h) x 83.9mm(d)

Backlight
50,000 hours typical

Weight (approx)
23.32lbs. / 10.6kg

Colors Supported
16.7 million

Approximate Shipping Dimensions and Weight
508(W) x 420(H) x 83.9(D) mm

Scan
Horizontal: 31-106 KHz
Vertical: 60-85 Hz

Mounting
VESA format (100 mm pitch); two mounting positions (x6 fixing holes)
RS232 Support

Connectors
Audio: 2 x Phono
RGB Signal: 15-pin HD Female D-Type
Video Signal: RCA + S-video socket
RS232 Remote Control: 9-pin Male D-Type
Power: 3-Pin IEC Male

Advanced Dimming
Integrated with a deep dimming solution for the marine range which provides smooth consistent dimming to 2000:1.

Video Input

CONTACT

HEADQUARTERS

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OPTIONS

- 90-264V AC Power standard, (optional 12VDC, 24VDC or 9-36VDC available)
- Touch Screen: Capacitive or Resistive Touch
- NEMA 4 or 4X (IP65/IP66) Protection
- Sunlight Readability Technology
- Impact Resistant Protective Windows
- Custom Designs based on Customer's Exact Needs