



## 19" SXGA Multi-Scan Marine 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.

### FEATURES

- 19" Bright Active Matrix TFT Display, 250 nits (cd/m<sup>2</sup>)
- 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
- 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
- SXGA (1280 x 1024) 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

\*Supports all VESA standard video formats

### CONTACT

#### HEADQUARTERS

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### SPECIFICATIONS

#### Display Size

19 Inch

#### Panel Type

TFT Active

#### Resolution Capabilities

SXGA\*

#### Pixel Format

640 x 480, 800 x 600, 1024 x 768, 1280 x 1024\*

#### Dot Pitch

.294mm

#### Active Display Area

376.3 x 301.1mm

#### Viewing Angle

Left / Right: 170°  
Up / Down: 170°

#### Contrast Ratio

500:1

#### Brightness

250 nits (cd/m<sup>2</sup>) typical

#### Backlight

50,000 hours typical

#### Colors Supported

16.7 million

#### Scan

Horizontal: 31-91 KHz  
Vertical: 60-85Hz

#### 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

#### Sync

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

#### Power Source

90-265V AC 50/60Hz

#### Power Consumption

65W max

#### Temperature

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

#### Humidity

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

#### Shock

10g, 11msec 1/2 sine

#### Vibration

+/-1mm, 2 to 13Hz:0.7g, 13 to 100 Hz

#### Response Time

15 ms average, typical  
Housing  
Aluminum; Toughened, optically  
coated and contrast enhancing safety  
glass; Transmission 90% min; Front  
Chassis IP65, Rear Chassis IP23

#### Monitor Dimensions

453(W) x 397(H) x 83.9(D) mm

#### Weight (approx)

22lbs. / 10kg

### 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