



Solutions for Demanding Applications

## 19" SXGA 10U Rackmount 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

- ◆ Advanced Deep Dimming 2000:1
- ◆ Compliant to IEC 60945
- ◆ Contrast Enhancing AR Safety Glass
- ◆ ECDIS & Radar Compliant
- ◆ 10U Rackmount + VESA Fixings
- ◆ Video Buffer & Remote Control
- ◆ -15 to 55C operating temperature
- ◆ VGA to SXGA + PAL/NTSC/SECAM

\*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

14.82"(w) x 11.85"(h)  
376.3mm(w) x 301.1mm(h)

#### Viewing Angle

Left / Right: 85°  
Up / Down: 85°

#### Contrast Ratio

500:1 min

#### Brightness

250 cd/m<sup>2</sup> typical

#### Backlight

50,000 hours typical

#### Colors Supported

16.7 million (graphic card dependant)

#### Scan

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

#### Connectors

**RGB Signal** - 15-pin HD Female (D-Type); **Video Signal** - RCA + S-video socket; **RS232 Remote Control** - 15-pin Male D-Type; **Power AC Version** - 3-pin IEC male; **Power DC Version** - 3-pin circular

#### Video Input

Analog RGB 0.7-1.0V p-p, 75 ohm, PAL/NTSC & SEACAM with Picture-in-Picture

#### Sync

Separate H/V (+/-ve) TTL or Composite (-ve) TTL or SOG (-ve) 0.3V

#### Power Source

90-265V AC 50/60 Hz or 15-30V DC Internal

#### Power Consumption

65W max

#### Temperature

Operating: -15 to 55°C  
Storage: -20 to 60°C

#### 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

#### Monitor Dimensions

19.02"(w) x 17.48"(h) x 3.88"(d)  
483mm(w) x 443.9mm(h) x 98.5mm

#### Weight (approx)

24.25lbs. / 11kg

#### Approximate Shipping Dimensions and Weight

24" x 26" x 10" (W x L x H) / 30lbs.

### OPTIONS

- Touch Screen - Resistive

### APPROVALS

- ECDIS & Radar Compliance - IEC 61174 via BSH, Germany
- EMC & Safety - EN 50081-1 (Emissions), EN 50082-2 (Immunity), EN 60950 (Safety)
- Marine Communications - IEC 60945: 4th Edition