

VT190RP2



VARTECH SYSTEMS INC.

Solutions for Demanding Applications

VT190RP2: 19" Marine Rack Mount Monitor



VarTech's model VT190RP2 display features a harsh-duty type 19" SXGA (1280 x 1024) resolution LCD and protection to IP65 (NEMA 4) industry standards which are designed to be placed in a variety of harsh environments requiring protection at the frontal bezel from the intrusion of rain, splashing water or ice formation as well as reliable defenses against excessive shock, vibration and EMI/EMC interference. With proven advanced optical display technology and rugged design engineering, VarTech's innovative display concepts make the VT190RP2 an superior solution for open cockpits, fly bridges and pilothouses.

SPECIFICATIONS

FEATURES

- 19" Bright Active Matrix TFT Display
- SXGA (1280 x 1024) Resolution
- A multitude of Video Inputs: HD15 (F), DVI-D Pin, Composite BNC, Mini Din (S-video)
- Optically Bonded Anti-Reflective Protective Window (or touch screen) which boosts durability and contrast for at-a-glance readability
- High Contrast Ratio & Definition, Outstanding Vivid Color & Image Quality
- Wide Viewing Angles
- Machined NEMA 4 (IP65) Rated, Black Powder Coated, Very Rugged Aluminum Gasket Sealed Front Bezel
- Black Powder-Coated Aluminum Rear Enclosure
- Wide Color Gamut
- 16.8 million colors
- Energy Efficient, Low Power Consumption
- High Situational and Environmental Performance and Reliability for the most Demanding Marine Applications including Open Cockpits, Fly Bridges and Pilothouses
- Wide Operational Temperature Range, -20°C to +55°C (32°F to +131°F)(optional extended temperature ranges available)
- RoHS Compliant
- Engineered and Manufactured by VarTech Systems, an ISO 9001 Registered Company
- **Engineered, Fabricated and Assembled in the USA**
- Two (2) Year Warrant

Display Size

19 Inch

Construction

IP65 (NEMA 4)
Black Powder-Coated Rugged Milled 6061 T6 Beveled Aluminum Front Bezel with Pass-Through Bolt Mounting Black Powder-Coated Rear Enclosure

Active Display Area

14.93" (w) x 11.96" (h), 379.1mm (w) x 303.8mm (h)

Panel Type

Harsh Duty LCD cell w/ Optically Bonded Protective Overlay (VBOND)

Resolution

SXGA 1280 x 1024 native

Display Colors

16.8 Million

Brightness

300 nits (cd/m²)
(Available with optional High Brightness Sunlight Readability Technology)

Backlight MTBF

50,000 Hours

Viewing Envelope: Horizontal

89° / 89°

Viewing Envelope: Vertical

Up: 89° / Down: 89°

Contrast Ratio

2000:1

Video Inputs

HD15(F), DVI-I, BNC, 5 Pin Mini Din (S-Video) Other Configurations Available

Electrical Input

Standard: 9-36VDC, or optional 90-264V AC Power

Wide Operational Temperatures

-20°C to +55°C (32°F to +131°F)
(optional extended temperature ranges available)

Storage Temperature

-40° to +75°C (-40°F to 167°F)

Dimming Ratio

Full-Range Down to True Black

Shock & Vibration

Engineered with Defenses to Combat Excessive Shock & Vibration

Environment

Engineering Design Considerations to Address a Broad Range of Actual Environmental Service Conditions

EMI / EMC

Designed to Meet FCC Class B (optional MIL-STD-461E)

Warranty

2 Years

CONTACT

HEADQUARTERS

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OPTIONS

- Variable 9 to 36V DC Power
- Touch Screen: Capacitive, Resistive Touch, Armor Touch
- Extended Operational Temperature Range down to -40°C (-40°F)
- EMI Protection per MIL-STD-461E
- Private Label for OEM/VAR Applications
- Sunlight Readability Technology (coming soon)
- Impact Resistant Protective Windows
- Custom Designs based on Customer's Exact Needs
- Dual VGA
- 2, 3 or 4 Composite BNC Inputs with on-command image selection