



Solutions for Demanding Applications

## 19.0" AutoSync Low Scan Rack Mount Flat Panel



The VT190R1 has been designed primarily for Low Scan Legacy Systems as replacements for 20"/21" CRT monitors. All elements have been packaged in a compact 9U rack mountable metal housing. An optional 1U filler plate can be provided to accommodate 10U replacement displays.

By special development of their own Signal Recognition and Scaling software, and access to an extensive library of older signal timings gained from 25 plus years of CRT monitor manufacturing, VarTech has created a Multiscan "Universal" flat panel monitor with unique 15.625-64kHz display capabilities.

### FEATURES

- ◆ Bright Active Matrix TFT Display
- ◆ Protective Faceplate
- ◆ High Brightness and Wide Viewing Angles
- ◆ Specially designed for Low Scan Signals
- ◆ Automatic Image Size Adjustment
- ◆ TTL, Analog & Interlaced Signals accepted
- ◆ Rugged Metal Construction

### SPECIFICATIONS

#### Display Size

19.0 Inch TFT Active

#### Panel Type

TFT Active

#### Resolution Capabilities

CGA, EGA 640 x 480 to 1280 x 1024

#### Scan Frequency

Horizontal: 15.625-64kHz  
Vertical: 50-75Hz

#### Pixel Pitch

.098(h) x .294(v)

#### Active Display Area

14.82" x 11.85"  
376.32mm x 301.06mm

#### Viewing Angle

Left / Right: 85°/85°  
Up / Down: 85°/85°

#### Contrast Ratio

500:1

#### Brightness

250 Nits Typical

#### Back Light

50,000Hours Half Life

#### Front User Controls

5 Position Membrane OSD

#### Colors Displayed

16M

#### Video Input

Analog RGB 0.7-1.0V p-p or TTL > 2.75V p-p

#### Sync:

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

#### Video Input Connector:

HD15(F), 5BNC and D9

#### Power Source

90-264VAC Universal

#### Temperature

Operating: 0 to 50° C  
Storage: -20 to 60° C

#### Optional:

Operating: -20°C or -40°C

#### Humidity

Operating : 10 to 95% NC  
Storage: 10 to 95% NC

#### Altitude

Operating : up to 10,000 ft  
Storage: up to 40,000 ft

#### Power Consumption

50 Watts

#### Dimensions

18.98" (w) x 15.72" (h)  
482.1mm x 399.3mm

#### Depth

3.27" / 83 mm

#### Weight

30 lbs (approximate)

#### Chassis Construction

16 gauge Stainless Steel

#### Case Finish

Black Powder Coated

#### Touch Screens

Resistive  
Capacitive

#### Touch Interface

Serial  
Optional  
USB

#### Marks of Conformity:

FCC47 CFR part 15, subpart B  
EMC: EN 55022:2006, EN 55024:1998, CISPR 22:2005, CISPR 24:1997  
Canada: ICES-003  
Australia/New Zealand: AS/NZS CISPR 22  
CE  
RoHS  
WEEE



### CONTACT

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### OPTIONS

- Resistive or Capacitive Touch w/ Serial or USB
- Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity
- Integrated Heaters & Thermostat for extended Operational Temperature -20°C
- Transparent Thermal Heaters for -40°C Operational Temperature
- Private Label for OEM/VAR Applications
- ITO Glass for Heater or EMI
- Automatic Dimming Sensor
- Manual Full-Range Dimming