



Solutions for Demanding Applications

## 19.0" AutoSync Low Scan Rugged Tabletop Flat Panel Monitor w/ Infra red Touchscreen



The VT190M1-IR with Infra-red touchscreen has been designed primarily for Low Scan Legacy Systems as replacements for 20"/21" CRT monitors. They utilize a modern SXGA TFT (1280 x 1024 pixels) panel and a versatile Analog-Digital interface board. All elements have been packaged in a compact metal housing and attached to a heavy-duty stand. With the VESA mount, the display can be attached to a retractable arm or a fixed resident post.

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. Signal timings are factory preset and added to the Program Store by customer request.

## 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
- ◆ Infra-red Touchscreen

### 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



## 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

.297 mm

### Active Display Area

14.82" x 11.85"

376.32mm x 301.06mm

### Viewing Angle

Left / Right: 85/85 Degrees

Up / Down: 85/85 Degrees

### 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° to 55° 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

17.750" (w) x 15.250" (h)

450.9mm x 387.35mm

### Depth

3.189" / 81mm

### Weight

54 lbs

### Chassis Construction

16 gauge Stainless Steel

### Case Finish

Black Powder Coated

### Touch Screens

Resistive

Capacitive

### Touch Interface

Serial

### Optional:

USB

## CONTACT

### HEADQUARTERS

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## OPTIONS

- +12VDC
- Resistive & 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 to +50C
- Automatic Dimming Sensor
- Manual Full-Range Dimming