



Solutions for Demanding Applications

19.0" AutoSync Low Scan Rugged Tabletop Flat Panel Monitor



The VT190M1 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 15kHz to 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

SPECIFICATIONS

Display Size

19.0 Inch

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

.294 mm

Active Display Area

14.82" x 11.85"

376.32mm x 301.06mm

Viewing Angle

Left / Right: 89/89 Degrees

Up / Down: 89/89 Degrees

Contrast Ratio

1000:1 Typical

Brightness

250 Nits Typical

Back Light

50,000 Hours Half Life

Front User Controls

5 Position Membrane OSD

Colors Displayed

16.7 M (8-bit)

Video Input

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

Sync:

Separate H&V (\pm 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

Optional: 12VDC @ 2.5 A

Temperature

Operating: 0 to 50° C

Storage: -20 to 60° C

Optional Operating Temp:

-20 to +50C

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 @ 115 VAC

4 watts sleep mode

Dimensions (without stand)

17.750"(w) x 15.250"(h)

450.9mm x 387.35mm

Depth

3.189" / 81mm

Case Finish

Black Powder Coated

Touch Screens

Resistive

Capacitive

Touch Interface

Serial

Optional: USB

Shipping Information

Unit: 22 lbs

Boxed: 28 lbs

Box Size: 24x21x10

Stand: 30 lbs

Boxed: 34 lbs

Box Size: 15x14x21

*Supports all VESA standard video formats

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

- ◆ Capacitive Touch or Resistive Touch with Serial or USB
- ◆ +12VDC
- ◆ 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