



VT181R



# Solutions for Demanding Applications VarTech Systems Inc.

## High Performance Industrial Flat Panels for Demanding Applications

### FEATURES: VT181R 18.1" DiamondVue NEMA 12 Rack Mount Flat Panel

- ◆ Bright Active Matrix TFT Display
- ◆ Compact, Low Profile
- ◆ Anti-Reflective Protective Faceplate
- ◆ Digital, Analog, and NTSC Inputs
- ◆ Optional Capacitive or Resistive Touch
- ◆ Optional Resident 5BNC
- ◆ HD15, DVI-I29 Pin, RCA, Mini Din

This 18.1" DiamondVue flat panel display is a large screen design to be placed in a variety of Industrial and Process Control environments requiring a rack mount that supports resolutions from VGA to SXGA resolutions\*. The display is auto sync compatible with most PC's video standards, and satisfy a wide variety of industrial control and man-machine interface applications where 19" NEMA rack mounting is required.

### SPECIFICATIONS:

#### Display Size

18.1 Inch

#### Panel Type

TFT Active

#### Resolution Capabilities

VGA to SXGA\*

#### Pixel Format

640 x 480, 800 x 600,  
1024 x 768, 1280 x 1024\*

#### Pixel Pitch

.2805 mm

#### Active Display Area

14.135"(w) x 11.310"(h)  
359.02mm(w) x 287.27mm(h)

#### Viewing Angle

Left / Right: 80/80 Degrees  
Up / Down: 80/80 Degrees

#### Contrast Ratio

350:1 Typical

#### Brightness

300 Nits

#### Back Light

50,000 Hours Half Life

#### Colors Supported

16.7M

#### Video Input

Analog 0.7V p-p / Digital  
NTSC/Pal

#### Sync

Separate H&V,  
Combined, SOG, Digital

#### Input Connector

HD15(F), DVI-I29 Pin,  
RCA, Mini Din

#### Optional:

Resident 5BNC  
HD15 to 5BNC Interface Cable

#### Power Source

90-264VAC Universal

#### Optional:

12VDC  
24VDC

#### Power Consumption

55 Watts (DPMS 3W)

#### Temperature

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

#### Response Time

T<sub>R</sub> = 15ms typical (25 max)  
T<sub>F</sub> = 15ms typical (25 max)

#### Dimension

18.984"(w) x 15.719  
482.2mm(w) x 399.3mm(h)

#### Depth Behind Panel

3.239" / 82.3mm

#### Rear Chassis Construction

16 gauge Stainless Steel

#### Bezel Finish

Black Powder Coat  
Cold Rolled Steel

#### Touchscreen

Optional:  
Resistive or Capacitive

#### Touch Interface

Serial

#### Optional:

USB

### OPTIONS:

Capacitive Touch · Resistive Touch · Resident 5BNC · HD15 to 5BNC Interface Cable  
12VDC Power Supply · 24VDC Power Supply

**VARTECH SYSTEMS INC.**

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#### HEADQUARTERS

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