



VT181P



# Solutions for Demanding Applications VarTech Systems Inc.

## High Performance Industrial Flat Panels for Demanding Applications

### FEATURES: VT181P

### 18.1" DiamondVue NEMA 4 Panel Mount

- ◆ Bright Active Matrix TFT Display
- ◆ Compact, Low Profile
- ◆ Anti-Reflective Protective Faceplate
- ◆ Digital, Analog, NTSC Inputs
- ◆ Optional Capacitive or Resistive Touch
- ◆ HD15, DVI-I29 Pin, RCA, Mini Din
- ◆ Optional Bezel to replace Intecolor  
(See Model VT181PI)

This 18.1" flat panel display is a large screen design to be placed in a variety of Industrial and Harsh environments requiring a NEMA 4 panel mount display system that supports VGA to SXGA resolutions\*. The display is auto-sync compatible with most PC's video standards, and satisfies a wide variety of industrial control and man-machine interface applications. A variety of alternate sizes are also available.

### 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 (25max)

#### Bezel Outside Dimension

18.984"(w) x 15.719"(h)  
482.19mm(w) x 399.26mm(h)

#### Cut Out Dimension

17.862"(w) x 14.582"(h)  
453.69mm(w) x 370.38mm(h)

#### Depth Behind Panel

3.239" / 82.271mm

#### Weight

23.2 lb / 10.55 kg

#### Stud Size & Screw Length

10-32 x 1/2"

#### Chassis Construction

16 gauge Stainless Steel

#### Bezel Finish

**NEMA 4 (Rear User Controls)**

Black Powder Coat

Cold Rolled Steel

**Optional NEMA 4X**

Stainless Steel

#### Touchscreen

**Optional:**

Resistive or Capacitive

#### Touch Interface

Serial

**Optional:**

USB

\*Supports all VESA standard video formats

### OPTIONS:

12VDC Power Supply · 24VDC Power Supply · Resident 5BNC · HD15 to 5BNC Interface Cable  
Capacitive Touch · Resistive Touch · NEMA 12 Front User Controls · NEMA 4X Stainless Steel

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#### HEADQUARTERS

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