



## Solutions for Demanding Applications

# VarTech Systems Inc.

### High Performance Industrial Flat Panels for Demanding Applications

## FEATURES: VT181M 18.1" DiamondVue Tabletop Mount Flat Panel

- ◆ Bright Active Matrix TFT Display
- ◆ Anti-Reflective Protective Faceplate
- ◆ Analog and Digital Inputs
- ◆ Optional Capacitive or Resistive Touch
- ◆ Wide Viewing Angles
- ◆ HD15(F), DVI-I29 Pin, RCA, Mini Din

This 18.1" ruggedized flat panel tabletop display 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.

## SPECIFICATIONS:

### Display Size

18.1 Inch

### Panel Type

TFT Active

### Pixel Pitch

.2805mm

### Resolution Capabilities

VGA to SXGA\*

### Pixel Format

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

### Active Display Area

14.13" x 11.31"  
359mm x 287mm

### Viewing Angle

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

### Contrast Ratio

350:1

### Brightness

300 Nits Typical

### Back Light

50,000Hours Half Life

### Colors Displayed

16.7M

### Video Input

Analog 0.7V p-p / Digital,  
NTSC / PAL

### Sync

Separate H&V, Combined  
SOG, Digital

### Video Connector

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

### Optional:

HD15 to 5BNC Interface Cable

### Power Source

90-264VAC Universal

### Optional:

12VDC Power Supply  
24VDC Power Supply

### 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)

### Power Consumption

55 Watts (DPMS 3W)

### Depth Behind Panel

3.0" / 76.2mm

### Enclosure Construction

16 gauge Black Powder Coat Steel

### Touchscreen

Optional:  
Resistive or Capacitive

### Touch Interface

Serial

### Optional:

USB

## OPTIONS:

\*Supports all VESA standard video formats

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

## VARTECH SYSTEMS INC.

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