


**12.1" All-Weather Fully Submersible IP68 NEMA 6 High Brightness Display**


A harsh duty flat panel designed for extreme conditions where the case must be completely sealed from water, oil, dirt and other contaminants. The front mounted on/off, dimming and setup control adjusts the display for ultimate operator viewing. The VT121XHB connects through sealed quick connects for power, RGB video and optional serial touch making installation and reconfiguration a "snap". The matting cables plug directly into any standard PC. The VT121XHB is available with an optional resistive touch screen to simulate mouse controls and will continue to operate even in dirty or wet conditions. The precision milled aluminum case looks great, yet will give years of service with the roughest handling. Mounting is accomplished via a shock resistant adjustable ball mount, or it can be bolted directly to a console. The VT121XHB is designed to operate over a wide temperature range and is ideally suited for industrial, marine, mobile, generator powered or fixed mount applications.

## FEATURES

- ◆ Completely sealed case rated IP68 (NEMA 6P) watertight
- ◆ SVGA 800 x 600 native resolution
- ◆ RGB Computer VGA Input
- ◆ Optional NTSC and S-Video
- ◆ Wide Temperature Range, 0 to 60C (optional -40C to +60C)
- ◆ RAM Shock Resistant Adjustable Ball Mount
- ◆ Thin profile anodized aluminum case
- ◆ Finish: Black Anodized with a bright dip chemical film which UV stabilizes the color eliminating the normal fingerprints that make straight anodized finishes look dirty and produces a mat finish cutting down on glare
- ◆ Drilled and tapped for optional Panel Mounting
- ◆ 12 or 24 VDC or 120/240 VAC
- ◆ Analog resistive touch Optional
- ◆ Cables with connectors included

## CONTACT

### HEADQUARTERS

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## SPECIFICATIONS

### Display Size

12.1 Inch

### Panel Type

TFT Active

### Resolution

VGA to SVGA

### Brightness

800 Nits, low power passive enhancement (measured without touch)

### Backlight

30,000 MTBF

### Connectors

Quick connect fully sealed connectors on rear (alt. comp video has BNC coax F no cable)

### Video Input

VGA monitor from PC, generic RGB configuration (alternate comp. video input)

### Sync

Separate H/V  
Combined, SOG

### Power (at max. brightness)

11W

### Electrical Input

12 VDC Internal  
120/240 VAC (External Adapter)

### Electrical voltage range

+20/-15% Rating  
100-250 VAC

### Electrical Frequency

DC Input  
45-75 HZ

### Temperature

Operating: 0 to 60°C  
Storage: -55 to 75°C

Low Operational Temperature Heater for down to -40C

### Humidity

Operating: 5 to 95%NC  
Storage: 5 to 95%NC

### Shock

Operating: 10g  
Storage: 10g

### Vibration (@ 5-500 Hz sine sweep)

Operating: 1g  
Storage: 3g

### Housing

NEMA 6P/IP68 rated outdoor weatherproof and watertight, two piece billet aluminum milled. Finish: Black anodized with a bright dip chemical film which UV stabilizes the color. This eliminates the normal finger prints that make straight anodized finishes look dirty and produces a mat finish cutting down on glare.

### Mounting

RAM adjustable shock resistant ball surface mount or direct mount to panel with rear tap holes

### Cables

*Length* - 6m (9'10") each  
*Power*— Calibrated 2-wire pigtail to voltage regulator, terminals on primary  
*Video* - 15-pin D-SUB M  
*Touch* (Optional) - 9-pin D-SUB F

### Dimensions

13.0"(w) x 9.3"(h) x 1.05" (d)  
330mm(w) x 236mm(h) x 26.7mm(d)

### Weight

6.0lbs. / 2.6kg

### Touchscreen

**Optional:**  
Resistive