VT104XHB

Solutions for Demanding Applications

VARTECH SYSTEMS INC.

10.4" 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 form water, oil, dirt and other contaminants. The front mounted on/off, dimming and setup control adjusts the display for ultimate operator viewing. The VT104XHB 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 VT104XHB 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 VT104XHB 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

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SPECIFICATIONS

Display Size
10.4 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)
10W

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 60ºC
Storage: -55 to 75ºC

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
11.06"(w) x 8.13"(h) x 1.05" (d)
295mm(w) x 207mm(h) x 26.7mm(d)

Weight
4.2lbs. / 1.9kg

Touchscreen Optional:
Resistive

www.vartechsystems.com