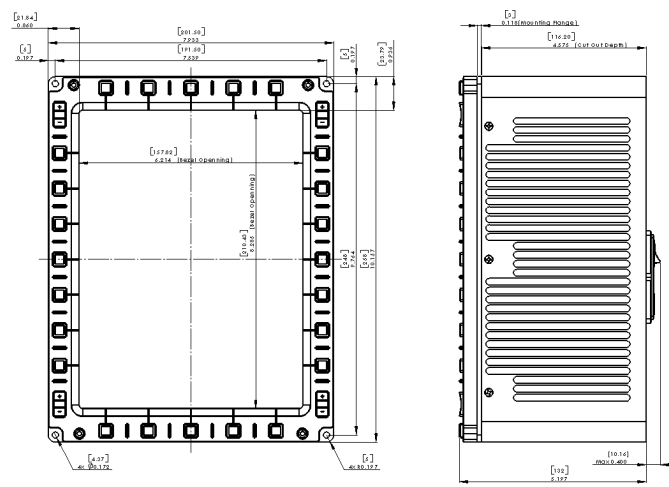
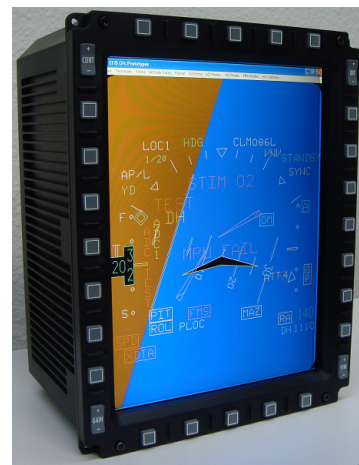




## 10.4" XGA Rugged Military Spec Display System

### FEATURES

- Rugged Mil Spec Display
- 3mm Front Glass Bonding
- High Quality Wide View (180°x180°)
- Black Hard Anodized Exterior Surface
- Digital Programmable Dimming Control (0% ~100%)
- NVIS Backlight Option
- Touch Screen Options
- Digital Dimming Control for Bezel
- High Rel Extended Life LED Backlight
- High Luminance (850 Nit) Low Power Consumption
- Built-in Heater Glass
- Definable Interface and Function Control Available



- **SVT104SQHL** is 10.4" XGA (1204x768pixels) Flat Panel Display, specifically designed for observation and driver enhancement on rugged vehicles, aircraft and ships.
- **Solid State Backlighting** with Low Power Consumption
- **Wide Range** of external RGB and Video source, including RS 170 and RS 343.
- **Flexible Mounting Options** – Bulkhead, Overhead, VESA, and Custom



# Technical Specifications

## Electro Optical

<b>Display Size</b>	210.432mm x 157.824mm (active area)
<b>Display Mode</b>	Normally Black
<b>Resolution &amp; Color</b>	XGA (1024 x 768 pixels) 262,144 colors
<b>Display Backlight</b>	High Brightness White LED (LED controller included)
<b>Luminance (Day Max)</b>	850 cd/m2 (248 fL)
<b>Luminance (Night Min)</b>	0.035 cd/m2 (0.01 fL) - Programmable
<b>Contrast Ratio (CR)</b>	500 : 1 (typ.)
<b>Horizontal Viewing Angle</b>	Right Side : 89° (typ.), Left Side : 89° (typ.)
<b>Vertical Viewing Angle</b>	Up Side : 89° (typ.), Down Side : 89° (typ.)
<b>Bezel Backlight</b>	LED with NVIS Filter (digital dimming control available)
<b>White Uniformity</b>	80% (min.)
<b>Color Chromaticity</b>	TBD

## Interface

<b>Video Input</b>	15pin D-SUB (VGA) / Other options available
<b>Data Interface</b>	Customization available
<b>Communication</b>	Up to 2 serial channels, switchable between: RS-232 and RS-422 Dual MIL CAN
<b>Data Input Connections</b>	MIL-C-38999/3 Bottom Optional Rear

## Control

<b>Display Luminance</b>	Programmable Digital Dimming Control (0 ~ 100%)
<b>Bezel Switch Luminance</b>	Programmable Digital Dimming Control (0 ~ 100%)
<b>Switch Button</b>	20 customer-definable function switch buttons

## Power

<b>Power Supply</b>	12VDC ~ 28VDC MIL-704E (AC Optional)
<b>Power Consumption</b>	DC 11.7V, 0.75 A, 8.8 W @ Max Brightness
<b>Power Input Connection</b>	MIL-C-38999/3 Bottom Optional Rear

## Environmental

<b>Operational Temperature</b>	-10° ~ +70° Std. (-30° ~ +70° with optional heaters)
<b>Storage Temperature</b>	-45° ~ +80°
<b>Humidity</b>	95% non-condensing
<b>Vibration</b>	MIL-STD-461D/462D
<b>Shock</b>	50g – 11ms half sine (MIL-STD-810D)
<b>Altitude</b>	20,000 Ft (Optional 40,000Ft)
<b>MTBF</b>	30,000 hrs (MIL-HDBK-217F)

## Mechanical

<b>Outline Dimension</b>	AL, 300mm (H) x 240mm (V) x 95mm (D)
<b>Weight</b>	7kg (15.4 lb)
<b>Bezel Switch Force</b>	800g