

MilGuard 42in TOUCH ENABLED FLAT PANEL DISPLAY

ABOUT

The 42-inch MILGUARD Flat Panel Display (FPD) from Rugged Science features a fanless, 42-inch 1920x1080 high definition LCD display. This ruggedized, large format display features an LED-backlight that disperses very little heat and allows for fanless operation in harsh operating temperatures from 0°C to 50°C. The LCD panel is protected with a layer of tempered glass that is optically bonded to the panel and has a layer of anti-reflective coating for exceptional clarity and vivid contrasts. The 42in MILGUARD incorporate the latest in technological advances offering wide viewing angles for control systems that feature high information density.

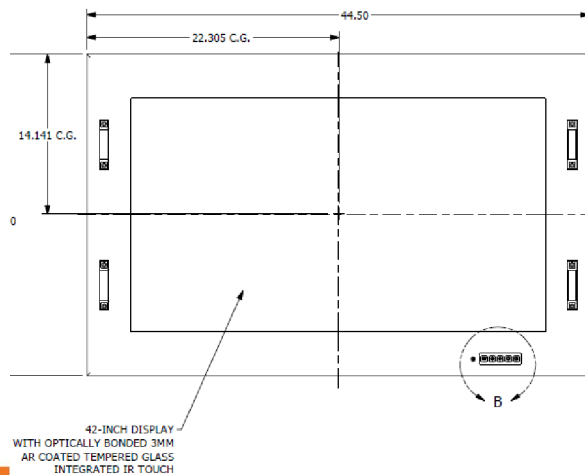
The front of the display features an Infrared Multi-Touch Touchscreen that is equipped with technology that is resistant to dust, debris, and other particles that collect on the bezel. The 42-inch MILGUARD FPD comes standard with 500 nits of brightness.

FEATURES

- Fanless 0°C to 50°C Operating Temperature
- 42-in 1920x1080 LCD Display
- 16:9 Aspect Ratio for Widescreen Format
- Infrared Multi-Touch Touchscreen (works with Fire Fighting Gloves)
- HDMI Input for High Definition Audio and Video
- Shock: MIL-S-901D, Grade A
- Vibe: MIL-STD-167-1
- EMI: MIL-STD-461G

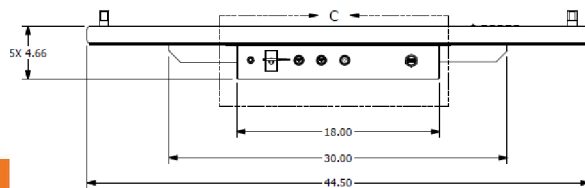
Display Characteristics

Panel Size and Type	42-inch Diagonal Active Matrix TFT LCD Display
Panel Display Resolution	1920 x 1080 WUXGA High Definition Resolution
Pixel Pitch (mm)	0.4845mm (H) x 0.4845mm (W)
Panel Contrast Ratio	4000:1 (typ.)
Panel Brightness	500 cd/m ²
Brightness Control	0% to 100% logarithmic
Panel Viewing Angle	89° Horizontal & Vertical
Active Display Area	930.24mm (H) x 523.26mm (V)
Display Color	16.7M 8-bit
Anti-reflective	Anti-reflective Surface Treatment



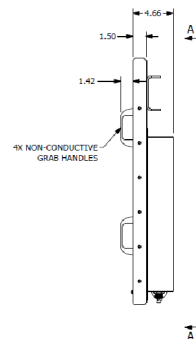
Input / Output

Video Input	1 x HDMI Plastic Molded Circular Connector rated to IP67 Single HDMI Cable carries both HD Audio and Video
Touchscreen	USB 3.0 Circular Mil Connector for Infrared Multi-Touch Touchscreen
Speaker	110dB Speaker



Control Buttons

Front Bezel OSD Menu Buttons	Brightness Up Brightness Down Volume Up Volume Down OSD MENU
LED Indicator	Power On/Off



Mechanical Electrical Environmental

Glass Thickness	Optically Bonded 2.8mm Tempered Glass
Ingress Rating	IP65 Dust proof and protected from water spray
Dimensions (W x L x H)	44.5 (W) X 28.5 (H) X 4.66 (D)
Net Weight (lbs)	75 lbs without mounting bracket 105 lbs with mounting bracket
Power Input	External input: 90 - 305 VAC (Operating), 115/230VAC (Nominal) 47 - 63 Hz
Power Consumption	80 Watts max at max brightness (0.70 amps, 115VAC)
Panel Operating Temp	0°C to 50°C Fanless passively cooled
Panel Storage Temp	-20°C to 60°C
Operation Humidity	0% to 95% (non condensing)
Storage Humidity	0% to 95% (non condensing)
Shock	MIL-S-901D Grade A, Class 1, Type A
Vibration	MIL-STD-167-1, Type 1
EMI	MIL-STD-461G
Environmental	MIL-STD-810G

