



DataMetrics™

TuffView™

5800-HD

RUGGED

HD PLASMA PANEL



Key Features

- 42-inch High-Definition Plasma Display
- Low Profile, wall or ceiling mounting
- High performance built-in scaler with pan and zoom
- One-touch scaler control
- Real time video DSP including adaptive comb filtering
- Proprietary line doubling
- Crash and fire safety certified by U.S. Government
- Black powder-coated enclosure
- Exclusive multiple scenario picture-in-picture (PIP)

Model 5800-HD Rugged High Definition Plasma Panel

The Model 5800-HD Rugged High Definition Plasma Panel has been uniquely designed and engineered for industrial applications that require extra high reliability. Proven in rugged applications the Model 5800-HD has an all metal ruggedized frame, low EMI emissions and susceptibility, a cooling design that allows the panel to be "flush" mounted to vertical wall surfaces. These and many other features make the Model 5800-HD the plasma display panel for any application.



*Simulated Image

Fully Mission Capable™



Environmental Characteristics

Temperature	Operating: -5°C to 55°C Storage: -30°C to 85°C
Humidity	10% to 95% RH, Non-condensing
Vibration	10 - 55 Hz/DO-160
Shock	40g (x,y), 10g (z)
Altitude	Operating: 10,000 ft.
EMC	FCC Part 15 compliance, Broadband IR compatible, VHF-UHF CE directive 89/336/EEC-EN-55022
Safety	CSA/UL-1950

Performance Characteristics

Resolution	1024 (h) x 1024 (v) color pixels
Screen Size	42" diagonal – 36.3" (w) x 20.6 (h)
Pixel Pitch	0.90 mm x 0.51 mm
Contrast Ratio	1,200:1
Viewing Angle	160° omnidirectional
Vibrancy	16.7 million video colors
Brightness	1,200 Cd/m ²

Interface Characteristics

STV* Inputs	NTSC, PAL, Component, S-Video, Composite (Cvs)
PC Inputs	(RGB and DVI): VGA, WVGA, 480p, XGA, WXGA, SVGA, 720p
HDTV Inputs	480p, 720p, 1080i/540p
User Controls	Handheld IR to OSD, RS-232
Picture-in-Picture	Multiple Scenario

*Standard Baseband and Interlaced Video

Electrical Characteristics

Power	AC-85 - 264 VAC, 47 - 63Hz, 3A average @ 110 VAC, 400Hz optional; 28 VDC optional
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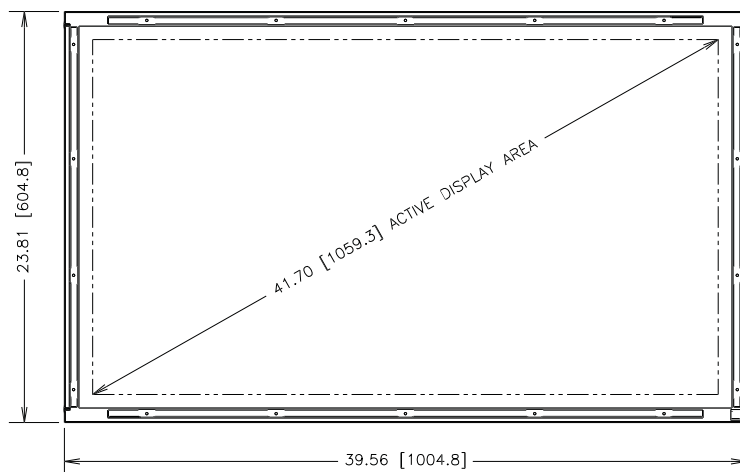
Physical Characteristics

Size	23.8 in. H x 39.5 in. W x 3.3 in. D (60.5cm H x 100cm W x 8cm D)
Weight	75 lbs. (34 Kg)

Ordering Information

Contact DataMetrics™ for exact specifications and options.

Front View



Side View

