

# AYDINDISPLAYS

a sparton company

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## MODEL 4424S

*24" RACK/CONSOLE MOUNT  
COLOR FLAT PANEL DISPLAY*

### FEATURES:

- Ultra Resolution, 1920 x 1200
- Anti-Reflective Protective Window
- Convenient Front Controls

### OPTIONS:

- Touchscreen
- Flicker Compensation for Display of Sonar Acoustic Data

Aydin is:



7/18\_REV. 1

# SPECIFICATIONS:

**Active Display Area:** 518.4 x 324.0 mm  
(20.41" x 12.96")

**Pixel Pitch:** 0.270 x 0.270 mm

**Brightness:** 250 cd/m<sup>2</sup> (Typical)

**Viewing Angle:** ±89° All Directions (Typical)

**Contrast Ratio:** 1000:1 (Typical)

**Response Time:** 16 ms Tr + Tf (Typical)  
6 ms GtG (Typical)

**Display Colors:** 16 Million

**Input Signal:** **Analog video:**  
**Video Sync:** Analog 0.7 V  
p-p/75 Ω Separate sync. TTL  
level **Horizontal Sync:**  
Positive/Negative **Vertical  
Sync:** Positive/Negative  
**Composite Sync:**  
Positive/Negative Sync on  
Green (Video 0.7p-p and Sync  
0.3Vp-p)

**Input Interface:** VGA (HD15F), DVI-D  
(DVI Connector)

**Video Input  
Impedance:** 75 Ohms

**Resolutions  
Supported:** 640 x 480 @ 60 Hz  
720 x 400 @ 85 Hz  
800 x 600 @ 60 Hz  
1024 x 768 @ 60 Hz  
1280 x 1024 @ 60 Hz  
1600 x 1200 @ 60 Hz

**Native Resolution:** 1920 x 1200 @ 60 Hz

**Display Controls:** Power, Brightness, OSD

**Remote Control:** RS232 Interface for  
Control of Adjustments

**Temperature:** **Operating:** (Sea Level): 0 °C  
to 50 °C, MIL-STD-810E  
Method 501.3/502.3,  
Procedure II  
**Storage:** -20 °C to + 60 °C,  
MIL-STD-810E, Method  
501.3/502.3, Procedure 1

**Humidity:** **Operating/Storage:** 5 to 95%  
RH, Non-condensing, MIL  
STD-810E, Method 507.3

**Altitude:** **Operating:** 0 to 15,000 ft.  
above sea level  
**Storage:** 0 to 50,000 ft.  
above sea level (MIL-STD  
810E, Method 500.3)

**Shock:** MIL-S-901D, Grade A,  
Class I, Type A

**Vibration:** MIL-STD-167-1, Type I

**Drip:** MIL-STD-810E, Method 506.3,  
Procedure II, Front Panel Only

**Sand/Dust:** MIL-STD-810E, Method 510.3  
Front Panel Only

**EMI:** MIL-STD-461E, CE102,  
CS101, CS114, CS116,  
RE102, RS101, RS103

**Power:** **Supply:** Internal 88-264/  
VAC Auto Ranging  
**Frequency:** 43-63Hz  
**Power:** 104 Watts (Typical)  
**Chassis Connector:**  
MS3102A-10SL-3P  
**Cable Connector:**  
MS3106A-10SL-3S

**Dimensions:** 24"W x 15.72"H  
x 4.5" DP

**Weight:** 25 lbs