

AYDINDISPLAYS

a sparton company

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4520R4C

20.1" COLOR FLAT
PANEL DISPLAY

FEATURES:

- High Resolution, 1600 x 1200
- Convenient Front Controls
- Anti-reflective Protective Viewing Window
- Wide Viewing Angle

OPTIONS:

- Sunlight Readable
- Capacitive Touchscreen
- Flicker Compensation for Display of Sonar Acoustic Data
- Picture-in-Picture

Aydin is:



7/18_Rev.1

SPECIFICATIONS:

Active Display Area:	408 x 306 mm (16.06" x 12.05")
Pixel Pitch:	0.255 x 0.255 mm
Brightness:	255 cd/m ² (typical)
Viewing Angle:	±88° All directions (typical)
Contrast Ratio:	350:1 (typical)
Response Time:	16 ms (typical)
Display Colors:	16 million
Synchronization Range:	Horizontal: 24 to 82 kHz Vertical: 5 to 85 Hz
Input Signal:	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:	HD15F (VGA) or 5 BNC (VGA), DVI-D
Video Input Impedance:	75 Ohms
Resolutions Supported:	640 x 480 @ 60-85 Hz 720 x 400 @ 70-85 Hz 800 x 600 @ 60-85 Hz 1024 x 768 @ 60-85 Hz 1152 x 900 @ 75 Hz 1280 x 1024 @ 60-85 Hz
Native Resolution:	1600 x 1200 @ 60 Hz
User Controls:	Power, Brightness, Contrast, Horizontal Width, Horizontal Phase, Horizontal & Vertical Position

Temperature:	Operating: 0 °C to 50 °C, MIL-STD810E, Method 501.3/502.3, Procedure II Storage: -20 °C to +60 °C, MIL-STD-810E Method 501.3/502.3, Procedure I Optional: -40 °C Storage Available	
Humidity:	Operating/Storage: 5 to 95% RH Non-condensing MIL-STD-810E, Method 507.3 Procedure I	
Altitude:	Operating: 0 to 42,000 ft. above sea level MIL-STD 810E, Method 500.3 Storage: 0 to 54,000 ft. above sea level MIL-STD 810E, Method 500.3	
Shock:	Operational: 30G, 11 ms, ½ Sine Crash Safety: 40G, 11ms, ½ Sine	
Vibration:	MIL-STD-810E, Method 514.4, Category 8, Ground Mobile/MIL STD-810F, Method 514.5, Category 13, Propeller Aircraft	
EMI:	MIL-STD-461E, RE102, RS103, CS101, CE102, CS114	
Power:	AC 100-120V/ 220-240 VAC Frequency: 50-60, 400 Hz Power: 85 Watts Connector: MS3102 E10SL-3P	DC 28 VDC MIL-STD-704F 50-60, 400 Hz 85 Watts MS3470L8-33P
Dimensions:	19.00"W x 15.72"H x 4.16"DP	
Weight:	25 lbs	
Remote Control Optional:	RS-232 Interface for Remote Video Input Selection and Display Adjustments	
Compatibility:	PCs, Workstations & X-Terminals	