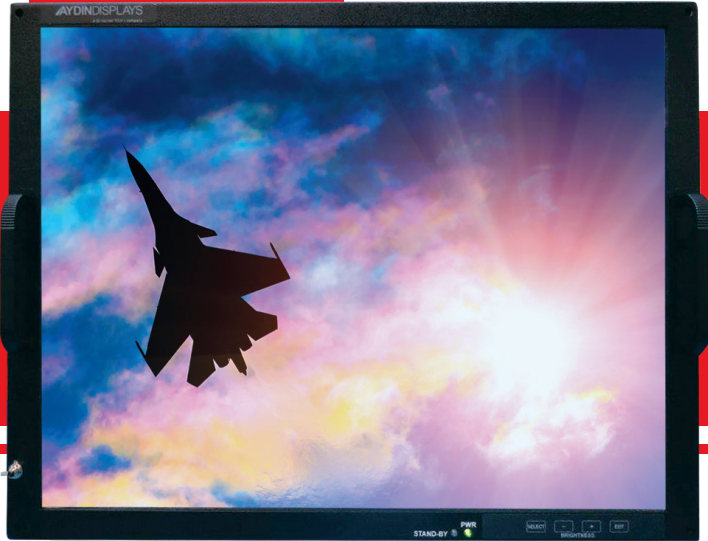


AYDINDISPLAYS

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MODEL 4421A

21.3" COLOR FLAT
PANEL DISPLAY

FEATURES:

- High Resolution, 1600 x 1200
- LED Backlight
- Attractive VESA Mount
- Convenient Front Controls
- Wide Viewing Angle
- Anti-reflective Protective Window

OPTIONS:

- Resistive Touchscreen
- +28 VDC

Aydin is:



7/18_REV. 1

SPECIFICATIONS:

Active Display Area: 432 x 324 mm (17.01" x 12.76")

Pixel Pitch: 0.27 x 0.27 mm

Brightness: 270 cd/m² (Typical)

Viewing Angle: ±89° All Directions (Typical)

Contrast Ratio: 1000:1 (Typical) Dark Ambient

Response Time: 16 ms Tr + Tf (Typical)

Display Colors: 16.7 Million

Synchronization Range: **Horizontal:** 31.5 to 91.1 kHz
Vertical: 56 to 85 Hz

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: DVI-I (2 inputs)

Resolutions Supported:
640 x 480 @ 60-85 Hz
720 x 400 VGA Text
800 x 600 @ 56-85 Hz
832 x 624 @ 75 Hz
1024 x 768 @ 60-85 Hz
1152 x 900 @ 75 Hz
1280 x 1024 @ 60, 67, 75Hz
1600 x 1200 @ 60 Hz
1920 x 1080 @ 60 Hz
1920 x 1200 @ 60 Hz

Native Resolution: 1600 x 1200 @ 60 Hz

Display Controls: Power, Brightness, Contrast,
Horizontal Width, Horizontal
Phase, Horizontal & Vertical
Position

Humidity: **Operating/Storage:** 5 to 95%
RH, Non-condensing, MIL
STD-810F, Method 507,
Procedure I

Temperature: **Operating:** (Sea Level): 0 °C
to 50 °C, MIL-STD-810F
Method 501/502, Procedure II
Storage: -40 °C to + 60 °C,
MIL-STD-810F, Method
501/502, Procedure I

Altitude: **Operating:** 0 to 42,000 ft.
above sea level
MIL-STD810F, Method 500
Storage: 0 to 50,000 ft.
above sea level
MIL-STD810F, Method 500

Rapid Decompression: RTCA/DO-160D, 8,000 ft ASL
to 42,000 ft. ASL in 15 seconds,
42,000 ft. ASL to 25,000 ft
ASL in 5 minutes

Shock: **Operational:** 15G, 11ms,
½ Sine MILSTD-810F, Method 516
Crash Safety: 30G, 11ms,
½ Sine MILSTD-810F, Method 516

Vibration: MIL-STD-810F, Method 514,
Category 20
Ground Mobile, Figure 514
C-1, 1 G rms
MIL-STD-810F, Method 514,
Category 13
Propeller Aircraft, Figure 514
C-9, 1 G rms

EMI: MIL-STD-461E, RE102,
RS103, CE101, CE102,
CS114, CS115, CS116

Power: **Supply:** Internal 100
120V/220-240 VAC
Frequency: 50-60Hz
Power: 40 Watts (Typical)
Chassis Connector:
MS3102E10SL-3P or IEC-320

Dimensions: 18.45"W x 14.20"H x 3.09" DP

Weight: 17.5 lbs

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Please contact your sales representative for more information.
Consult Factory on pricing and lead time.