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
### SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Active Display Area</td>
<td>432 x 324 mm (17.01&quot; x 12.76&quot;)</td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>0.27 x 0.27 mm</td>
</tr>
<tr>
<td>Brightness</td>
<td>270 cd/m² (Typical)</td>
</tr>
<tr>
<td>Viewing Angle</td>
<td>±89° All Directions (Typical)</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>1000:1 (Typical) Dark Ambient</td>
</tr>
<tr>
<td>Response Time</td>
<td>16 ms Tr + Tf (Typical)</td>
</tr>
<tr>
<td>Display Colors</td>
<td>16.7 Million</td>
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</tbody>
</table>
| 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 MIL-STD-810F, Method 516
- **Crash Safety:** 30G, 11ms, ½ Sine MIL-STD-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