

# AYDINDISPLAYS

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19" COLOR FLAT PANEL DISPLAY

## 4419R4C

### FEATURES:

- LED Backlight
- High Brightness with Full Range Dimming
- Wide Temperature Range
- Anti-Reflective Protective Viewing Window

### OPTIONS:

- Resistive or Capacitive Touchscreens

# SPECIFICATIONS:

<b>Active Display Area:</b>	376.32 x 301.056 mm (14.816" x 11.853")	<b>Humidity:</b>	<b>Operating/Storage:</b> 5 to 95% RH Non-condensing MIL-STD-810G, Method 507 Procedure I
<b>Pixel Pitch:</b>	0.294 x 0.294 mm	<b>Temperature:</b>	<b>Operating:</b> -40 °C to 55 °C, MIL-STD-810G Method 501/502, Procedure II <b>Storage:</b> -40 °C to +71 °C, MIL-STD 810G, Method 501/502, Procedure I
<b>Brightness:</b>	300 cd/m <sup>2</sup> (Typical) <b>Sunlight Readable Option:</b> 550 cd/m <sup>2</sup> (Typical) <b>Sunlight Readable option w Resistive Touch Screen:</b> 425 cd/m <sup>2</sup>	<b>Altitude:</b>	<b>Operating:</b> 0 to 42,000 ft. above sea level MIL-STD 810G, Method 500 <b>Storage:</b> 0 to 54,000 ft. above sea level MIL-STD 810G, Method 500
<b>Viewing Angle:</b>	80/80/85/85 U/D/R/L (Typical)	<b>Rapid Decompression:</b>	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
<b>Contrast Ratio:</b>	1000:1 (Typical)	<b>Shock:</b>	MIL-S-901D, Grade A, Class 1 Type A
<b>Response Time:</b>	5 ms (Typical)	<b>Vibration:</b>	MIL-STD-167-1A, Type 1
<b>Display Colors:</b>	16 million	<b>Drip:</b>	MIL-STD-810G, Method 506 Procedure II, Front Panel only
<b>Synchronization Range:</b>	<b>Horizontal:</b> 24.8 to 91 kHz <b>Vertical:</b> 47.2 to 89 Hz	<b>Sand/Dust:</b>	MIL-STD-810G, Method 510, Front Panel only
<b>Input Signal:</b>	<b>Analog video:</b> <b>Video Sync:</b> Analog 0.7 V p-p/75 Ω Separate sync. TTL level <b>Horizontal Sync:</b> Positive/Negative <b>Vertical Sync:</b> Positive/Negative <b>Composite Sync:</b> Positive/Negative Sync on Green (Video 0.7p-p and Sync 0.3Vp-p) <b>Digital video:</b> DVI-D	<b>EMI:</b>	MIL-STD-461E, CE101, CE102, RE101, RE102, CS101, CS114, CS116, RS101, RS103
<b>Input Video Interface:</b>	DVI-D, HD-15 (VGA) & 5 BNCs Standard, NTSC/S-Video Input Optional	<b>Power:</b>	<b>Supply:</b> Internal 90- 132/180-264 VAC Auto Ranging <b>Frequency:</b> 47-440 Hz <b>Power:</b> 50 Watts (Typical) <b>Chassis Connector:</b> IEC 320 <b>Cable Connector:</b> NEMA 5-15P
<b>Resolutions Supported:</b>	640 x 480 @ 60-85 Hz 720 x 400 @ 85 Hz 800 x 600 @ 56-85 Hz 1024 x 768 @ 60-85 Hz 1280 x 1024 @ 60-85 Hz	<b>Dimensions:</b>	19"W x 15.75"H x 3.75"DP
<b>Native Resolution:</b>	1280 x 1024 @ 60 Hz	<b>Weight:</b>	22 lbs
<b>User Controls:</b>	Power, Brightness, Contrast, Clock, Horizontal & Vertical Position	<b>Compatibility:</b>	PCs, Workstations & X-Terminals