



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

Aydin is:



11/1/22\_REV1

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Birdsboro, PA  
19508, U.S.A.,  
1-866-367-2934

# SPECIFICATIONS:

## Active

**Display Area:** 376.32 x 301.056 mm  
(14.816" x 11.853")

**Pixel Pitch:** 0.294 x 0.294 mm

**Brightness:** 300 cd/m<sup>2</sup> (Typical)  
**Sunlight Readable Option:**  
550 cd/m<sup>2</sup> (Typical)  
**Sunlight Readable option w  
Resistive Touch Screen:**  
425 cd/m<sup>2</sup>

**Viewing Angle:** 80/80/85/85 U/D/R/L (Typical)

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

**Response Time:** 5 ms (Typical)

**Display Colors:** 16 million

**Synchronization Range:** **Horizontal:** 24.8 to 91 kHz  
**Vertical:** 47.2 to 89 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)  
**Digital video:** DVI-D

**Input Video Interface:** DVI-D, HD-15 (VGA) & 5 BNCs  
Standard, NTSC/S-Video Input  
Optional

**Resolutions Supported:** 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

**Native Resolution:** 1280 x 1024 @ 60 Hz

**User Controls:** Power, Brightness, Contrast,  
Clock, Horizontal & Vertical  
Position

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

**Temperature:** **Operating:**-30 °C to 71 °C, MIL-  
STD-810G Method 501/502,  
Procedure II **Storage:**  
-40 °C to +71 °C, MIL-STD  
810G, Method 501/502,  
Procedure I

**Altitude:** **Operating:** 0 to 42,000 ft. above  
sea level MIL-STD 810G, Method  
500 **Storage:** 0 to 54,000 ft.  
above sea level MIL-STD 810G,  
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:** DTM\* MIL-S-901D, Grade A,  
Class 1 Type A

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

**Drip:** MIL-STD-810G, Method 506  
Procedure II, Front Panel only

**Sand/Dust:** MIL-STD-810G, Method  
510, Front Panel only

**EMI:** MIL-STD-461E, CE101, CE102,  
RE101, RE102, CS101, CS114,  
CS116, RS101, RS103

**Power:** **Supply:** Internal 90- 132/  
180-264 VAC Auto Ranging  
**Frequency:** 47-440 Hz  
**Power:** 50 Watts (Typical)  
**Chassis Connector:** IEC 320  
**Cable Connector:** NEMA 5-15P

**Dimensions:** 19"W x 15.75"H x 3.75"DP

**Weight:** 22 lbs

**Compatibility:** PCs, Workstations & X-Terminals