

## Model 4419R4C

### 19" Color Flat Panel Display

19" COLOR ACTIVE MATRIX LIQUID CRYSTAL DISPLAY (AMLCD)  
 OPTIONS FOR RESISTIVE OR CAPACITIVE TOUCHSCREENS  
 HIGH BRIGHTNESS WITH FULL RANGE DIMMING (STANDARD)  
 LED BACKLIGHT/ OPTIONS FOR SUNLIGHT READABILITY  
 WIDE TEMPERATURE RANGE, -40°C TO 55°C OPERATING  
 ANTI-REFLECTIVE PROTECTIVE VIEWING WINDOW (STANDARD)  
 DVI-D, HD-15 (VGA) & 5-BNC INPUT VIDEO CONNECTORS (STANDARD)  
 NTSC/S-VIDEO INPUTS OPTIONAL  
 AUTO RANGING INTERNAL AC POWER SUPPLY  
 HIGH RESOLUTION 1280 X 1024



<b>Display Type:</b>	19" TFT Active Matrix LCD	
<b>Active Display Area:</b>	376.32 x 301.056 mm (14.816" x 11.853")	
<b>Pixel Pitch:</b>	0.294 x 0.294 mm	
<b>Brightness:</b>	300 cd/m <sup>2</sup> (NITS) (Typical) Sunlight Readable Option: 550 cd/m <sup>2</sup> (NITS) (Typical) Sunlight Readable option w/Resistive Touch Screen: 425 cd/m <sup>2</sup> (NITS) (Typical)	
<b>Viewing Angle:</b>	80/80/85/85 U/D/R/L (Typical)	
<b>Contrast Ratio:</b>	1000:1 (Typical)	
<b>Response Time:</b>	5 ms (Typical)	
<b>Display Colors:</b>	16 Million	
<b>Synchronization Range:</b>	Horizontal:	24.8 to 91 kHz
	Vertical:	47.2 to 89 Hz
<b>Input Signal:</b>	<b>Analog Video:</b>	0.7V p-p/75 Ω (input impedance)
	<b>Sync:</b>	Separate sync. TTL level Horizontal Sync: Positive/Negative Vertical Sync: Positive/Negative Composite Sync: Positive/Negative Sync on Green (Video 0.7Vp-p and Sync 0.3Vp-p)
	<b>Digital Video:</b>	DVI-D
<b>Input Interface:</b>	DVI-D, HD-15 (VGA) & 5 BNCs Standard NTSC/S-Video Input Optional	
<b>Resolutions Supported:</b>	640 x 480	@ 60-85 Hz
	720 x 400	@ 70-85 Hz
	800 x 600	@ 60-85 Hz
	1024 x 768	@ 60-85 Hz
	1280 x 1024	@ 47-76 Hz
<b>Native Resolution:</b>	1280 x 1024	@ 60 Hz
<b>Display Controls:</b>	Display Controls: Power, Brightness, Contrast, Clock, Horizontal & Vertical Position	
<b>Temperature:</b>	Operating: (Sea Level)	-40°C to +55°C, MIL-STD-810G Method 501/502, Procedure II
	Storage:	-40°C to +71°C, MIL-STD-810G, Method 501/502, Procedure I
<b>Humidity:</b>	Operating/Storage:	5 to 95% RH Non-condensing MIL-STD-810G, Method 507 Procedure 1
<b>Altitude:</b>	Operating:	0 to 42,000 ft. above sea level
	Storage:	0 to 54,000 ft. above sea level (MIL-STD-810G, Method 500)
<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>Shock:</b>	MIL-S-901D, Grade A, Class 1 Type A	
<b>Vibration:</b>	MIL-STD-167-1A, Type 1	
<b>Drip Proof:</b>	MIL-STD-810G, Method 506 Procedure II, Front Panel only	
<b>Sand/ Dust:</b>	MIL-STD-810G, Method 510, Front Panel only	
<b>EMI:</b>	MIL-STD-461E CE101*, CE102, RE101, RE102 CS101, CS114, CS116, RS101, RS103	
<b>Power Requirements:</b>	Power Supply:	Internal 90- 132/ 180-264 VAC Auto Ranging (+28 VDC Optional)
	Frequency:	47-440 Hz
	Power:	50 Watts (Typical)
	Chassis Connector:	IEC 320
	Cable Connector:	NEMA 5-15 P
<b>Dimensions &amp; Weight:</b>	Height:	15.75" (9U)
	Width:	19.00"
	Depth:	3.75" (not including connectors) 4419R5C has slightly thicker front panel
	Weight:	22 lbs.
<b>Compatibility:</b>	PCs, Workstations, & X-Terminals	
<b>Touchscreen Options:</b>	Resistive Capacitive <sup>†</sup> Capacitive Multi-Touch - Windows 7 Only <sup>†</sup>	
	*Waiver for CE101	

Aydin Displays is:



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All specifications subject to change without notice.