

Model 4420R5C/4420P4C

20.1" Color Flat Panel Display

20.1" COLOR ACTIVE MATRIX LIQUID CRYSTAL DISPLAY (AMLCD)
 ATTRACTIVE FLUSH RACK MOUNT DESIGN FITS FLUSH IN A STANDARD 19" RACK (PROJECTS ONLY 0.75" FROM MOUNTING RAILS) FOR 4420R5C
 ATTRACTIVE PANEL MOUNT FOR 4420P4C
 CONVENIENT FRONT CONTROLS
 RACK MOUNT UNIT DESIGNED TO MEET
 MIL-S-901D, MIL-STD-167, MIL-STD-461D
 HIGH BRIGHTNESS WITH FULL RANGE DIMMING (STANDARD)
 ANTI-REFLECTIVE PROTECTIVE VIEWING WINDOW (STANDARD)
 WIDE VIEWING ANGLE $\pm 85^\circ$ (ALL DIRECTIONS)
 HD-15 (VGA) & 5-BNCs (FOR 4420R5C ONLY) INPUT VIDEO CONNECTORS
 AUTO RANGING INTERNAL AC POWER SUPPLY
 HIGH RESOLUTION 1280 X 1024



Model 4420R5C



Model 4420P4C

Display Type:	20.1" TFT Active Matrix LCD	
Active Display Area:	399 x 319 mm (15.72" x 12.57")	
Pixel Pitch:	0.312 x 0.312 mm	
Brightness:	200 cd/m2 (Typical) 180 cd/m2 (Typ. w/EMI faceplate) 160 cd/m2 (Typ. w/Touch)	
Viewing Angle:	$\pm 85^\circ$ All directions (Typical)	
Contrast Ratio:	300:1 (Typical)	
Response Time:	26.5 ms (Typical)	
Display Colors:	16 Million	
Synchronization Range:	Horizontal:	31.5 to 80 kHz
	Vertical:	56 to 75 Hz
Input Signal:	Video:	Analog 0.7V p-p/75 Ω
	Sync:	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)	
Input Interface:	HD-15 (VGA) & 5 BNCs	
Video Input Impedance:	75 Ohms	
Resolutions Supported:	640 x 480	@ 60-75 Hz
	720 x 400	@ 70 Hz
	800 x 600	@ 56-75 Hz
	832 x 624	@ 75 Hz
	1024 x 768	@ 60-75 Hz
	1152 x 900	@ 66 Hz
	1280 x 1024	@ 60-75 Hz
Native Resolution:	1280 x 1024	@ 60 Hz
Display Controls:	Power, Brightness, Contrast, Horizontal Width, Horizontal Phase, Horizontal & Vertical Position	

Temperature:	Operating:	0°C to 50°C, MIL-STD-810E Method 501.3/502.3, Procedure II
	Storage:	-20°C to +60°C, MIL-STD-810E, Method 501.3/502.3, Procedure I
	Optional:	-40°C storage available
Humidity:	Operating/ Storage:	5 to 95% RH Non-condensing MIL-STD-810E, Method 507.3 Procedure I
	Altitude:	Operating: 0 to 42,000 ft. above sea level MIL-STD-810E, Method 500.3
	Storage:	0 to 54,000 ft. above sea level MIL-STD-810E, Method 500.3
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:	MIL-S-901D, Grade A, Class 1 Type A	
Vibration:	MIL-STD-167-1, Type 1	
Drip Proof:	MIL-STD-810E, Method 506.3 Procedure II, Front Panel only	
Sand/ Dust:	MIL-STD-810E, Method 510.3, Front Panel only	
EMI:	MIL-STD-461D RE102*, RS103, CE102, CS101, CE101 (4420R5C only)	
	Power Requirements:	Power Supply: Internal 90- 132/ 180-264 VAC Auto Ranging (+28 VDC Optional)
	Frequency:	47-440 Hz
	Power:	100 Watts (Typical)
	Chassis Connector:	IEC 320
	Cable Connector:	NEMA 5-15 P
Dimensions & Weight:		Rack Mount
		Panel Mount
		(4420R5C)
		(4420P4C)
	Height:	15.72" (9U)
	Width:	19.00"
	Depth:	3.95"*
	Weight:	24 lbs.
		37 lbs. (with touch)
	* 5.02" From rear of panel to rear of connectors	
Compatibility:	PCs, Workstations, & X-Terminals	
Options:	NTSC Input, Brightness & Contrast Enhancements, Sunlight Readable	
Touch Screens:	Capacitive (4420P4C Only)	

Aydin Displays is:



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All specifications subject to change without notice.