

## Model 4418R4C & 4418P4C

### 18.1" Color Flat Panel Displays

18.1" COLOR ACTIVE MATRIX LIQUID CRYSTAL DISPLAY (AMLCD)  
 ATTRACTIVE FLUSH RACK MOUNT OR PANEL MOUNT  
 CONVENIENT FRONT CONTROLS  
 DESIGNED AND TESTED FOR 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-BNC INPUT VIDEO CONNECTORS (STANDARD)  
 AUTO RANGING INTERNAL AC POWER SUPPLY  
 HIGH RESOLUTION 1280 X 1024



<b>Display Type:</b>	18" TFT Active Matrix LCD	
<b>Active Display Area:</b>	359 x 287 mm (14.135" x 11.308")	
<b>Pixel Pitch:</b>	0.28 x 0.28 mm	
<b>Brightness:</b>	180 cd/m <sup>2</sup> (Typ. w/EMI faceplate)	
<b>Viewing Angle:</b>	$\pm 85^\circ$ All directions (Typical)	
<b>Contrast Ratio:</b>	300:1 (Typical)	
<b>Response Time:</b>	29 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>Video:</b>	Analog 0.7V p-p/75 $\Omega$
	<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>Input Interface:</b>	HD-15 (VGA) & 5 BNCs Standard	
<b>Video Input Impedance:</b>	75 Ohms	
<b>Resolutions Supported:</b>	640 x 480	@ 60-85 Hz
	720 x 400	@ 70-85 Hz
	800 x 600	@ 60-85 Hz
	832 x 624	@ 80 Hz
	1024 x 768	@ 60-85 Hz
	1152 x 900	@ 76 Hz
	1280 x 1024	@ 47-76 Hz
	1152 x 864	@ 70-85 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)	0°C to 50°C, MIL-STD810E Method 501.3/502.3, Procedure II	
	Storage:	-30°C to +71°C, MIL-STD-810E, Method 501.3/502.3, Procedure I	
	Optional:	-40°C storage available	
<b>Humidity:</b>	Operating/ Storage:	5 to 95% RH Non-condensing MIL-STD-810E, Method 507.3 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-810E, Method 500.3)	
<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-167-1, Type 1		
<b>Drip Proof:</b>	MIL-STD-810E, Method 506.3 Procedure II, Front Panel only		
<b>Sand/ Dust:</b>	MIL-STD-810E, Method 510.3, Front Panel only		
<b>EMI:</b>	MIL-STD-461E CE101*, CE102, RE101*, RE102 CS101, CS114, CS116, RS101, RS103 * Pass with exception		
<b>Power Requirements:</b>	Power Supply:	Internal 90- 132/ 180-264 VAC Auto Ranging (+28 VDC Optional)	
	Frequency:	47-400 Hz	
	Power:	68 Watts (Typical)	
	Chassis Connector:	IEC 320	
	Cable Connector:	NEMA 5-15 P	
<b>Dimensions &amp; Weight:</b>		<b>Rack-4418R4C</b>	<b>Panel- 4418P4C</b>
	Height:	15.75" (9U)	16.86"
	Width:	19.00"	18.97"
	Depth:	3.70"	3.61"
	Weight:	21.5 lbs.	22.5 lbs.
<b>Compatibility:</b>	PCs, Workstations, & X-Terminals		
<b>Options:</b>	DVI-D, NTSC/S-Video Input, Brightness & Contrast Enhancements, Sunlight Readable		
<b>Touch Screens:</b>	Capacitive		

Aydin Displays is:



## AYDINDISPLAYS

a spartan company

1 Riga Lane Birdsboro PA 19508 USA

1-866-367-2934

www.aydindisplays.com

All specifications subject to change without notice.