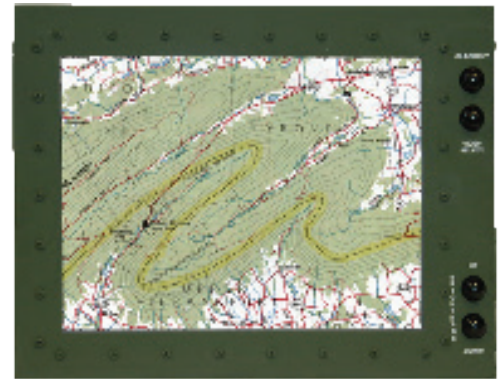


## Model 4412P4C 12" Color Flat Panel Display

12.1" COLOR ACTIVE MATRIX AMLCD  
HMMWV MOUNTING  
FRONT USER CONTROLS & REAR ADJUSTMENT CONTROLS  
MIL-STD-461D  
SUNLIGHT READABLE, FULLY DIMMABLE FOR NIGHTTIME USE  
SEALED UNIT  
WIDE TEMPERATURE RANGE (OPERATING AND STORAGE)  
ACCEPTS VGA & 2 NTSC INPUTS  
18-32 VDC POWER SUPPLY  
HIGH RESOLUTION 800 X 600 (1024 X 768 OPTIONAL)



<b>Display Type:</b>	12.1" TFT Active Matrix LCD
<b>Active Display Area:</b>	246 x 184.35 mm (9.69" x 7.26")
<b>Pixel Pitch:</b>	0.308 x 0.308 mm
<b>Brightness:</b>	350 cd/m <sup>2</sup> (minimum, including EMI faceplate)
<b>Viewing Angle:</b>	± 45° Left/Right; ± 25° Up/Down
<b>Contrast Ratio:</b>	600:1 (Typical- Dark Ambient)
<b>Response Time:</b>	25 ms (Typical) black to white 8 ms (Typical) white to black
<b>Display Colors:</b>	262,144
<b>Synchronization Range:</b>	Standard VGA & SVGA
<b>Input Signal: VGA Input:</b>	0 to 0.8 Vp-p (0.7 Vp-p typical white) Separate sync. TTL level
<b>Video Input:</b>	Mates with D38999/26WB35SN Supports VGA and 2 NTSC Inputs
<b>Video Input Impedance:</b>	75 Ohms
<b>Native Resolution:</b>	800 x 600, with XGA Option
<b>User Controls: Front Panel:</b>	Brightness Up/Down, Blackout, Video Select
<b>Rear Panel:</b>	Auto Adjust, Left, Right, Menu
<b>Paint:</b>	CARC (US Only)
<b>Other Features:</b>	Sunlight Readable (contrast ratio >10:1 in 5000 ft candle ambient), Dim to 0 for Nighttime Use, Sealed Unit
<b>Options:</b>	NVG Compatible with Grade B Night Vision Goggles, Up to SXGA (1024 x 768) Available

<b>Temperature:</b>	Operating: -32°C to 49°C, MIL-STD810E Method 501.3/502.3, Procedure II Storage: -51°C to +71°C, MIL-STD-810E, Method 501.3/502.3, Procedure I
<b>Humidity:</b>	Operating/Storage: 5 to 100% RH with Condensation MIL-STD-810E, Method 507.3 Procedure III, aggravated
<b>Altitude:</b>	Operating: 0 to 10,000 ft. above sea level Storage: 0 to 40,000 ft. above sea level (MIL-STD-810E, Method 500.3 Procedure I/II)
<b>Shock:</b>	MIL-S-810E, Method 516.4, Procedure I (functional test) for use on HMMWV Air Drop 10g, 100 ms, ½ Sine, 1 Axis, 1 Shock
<b>Vibration:</b>	MIL-STD-810E, Method 514.4, Category 8, Procedure I (ground mobile equipment) for use on HMMWV
<b>Spray Tight:</b>	MIL-STD-108E as a guide
<b>EMI:</b>	MIL-STD-461D CE102, CS101, CS114, RE102, RS103
<b>Salt Fog:</b>	MIL-STD-810E, method 509.3, Procedure I, aggravated
<b>Solar Loading:</b>	Operational test MIL-STD-810E, Method 505.3, Procedure I, Three Cycles
<b>Power Requirements:</b>	Power Supply: 18-32 VDC Input (MIL-STD-1275B except starting) Power: 45 Watts max (105 W max with internal heater activated @ 28 VDC)
	VGA & Power Connector Mate: D38999/26WE35SN
	Auxiliary Chassis Ground: E1 1/4 Stud
<b>Dimensions &amp; Weight:</b>	Height: 10.03" Width: 13.03" Depth: 2.7" Max (w/o rear connectors) Weight: 9 lbs. Finish: CARC IAW MIL-STD-171

Aydin Displays is:



## AYDINDISPLAYS

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All specifications subject to change without notice.