

12" Military LCD

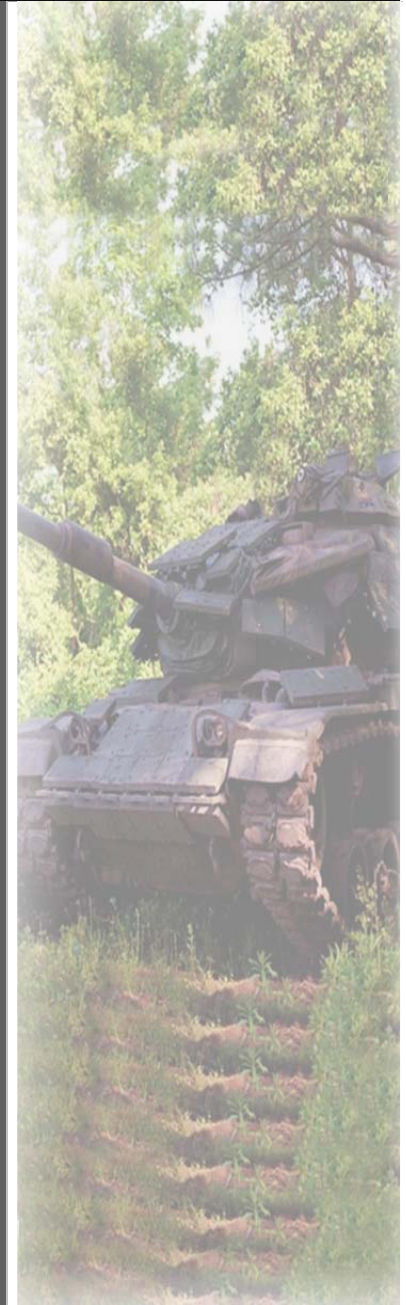
Designed and Tested
for MIL -STD-461D



12" Military Flat Panel LCD (Model: ACH1200)

Product Features

- ❑ 12.1" Color Active Matrix Liquid Crystal Display (AMLCD)
- ❑ HMMWV Mounting
- ❑ Front User Controls and Rear Adjustment Controls
- ❑ MIL-STD-461D
- ❑ Sunlight Readable, Fully Dimmable for Nighttime Use
- ❑ Sealed Unit
- ❑ Wide Temperature Range (Operating and Storage)
- ❑ Accepts VGA and 2 NTSC Inputs
- ❑ 18-32 VDC Power Supply
- ❑ High Resolution 800 X 600 (1024 X 768)



Model: ACH1200 Flat Panel Display is designed for use in severe environments as encountered by the military. The Model: ACH1200 is designed to meet a wide variety of applications that require a solid mechanical design to protect the display against shock, vibration, salt fog, humidity (with condensation), spray tight and temperature extremes. The Model:ACH1200 is for mounting in High Mobility Multi-Purpose Wheeled Vehicles (HMMWV).

SPECIFICATIONS		ENVIRONMENTAL	
Display		Temperature:	
Display Type:	12.1" TFT AMLCD	Operating: (Sea Level)	-32°C to +49°C, MIL-STD810E Method 501.3/502.3, Procedure II
Active Display	246 x 184.35 mm (9.69" x 7.26")	Storage:	-51°C to +71°C, MIL-STD-810E, Method 501.3/502.3, Procedure I
Area:		Humidity:	
Pixel Pitch:	0.308 x 0.308 mm	Operating/Storage:	5 to 100% RH with Condensation MIL-STD-810E, Method 507.3 Procedure III, aggravated
Brightness:	350 cd/m2 (minimum, including EMI faceplate)	Altitude:	
Viewing Angle:	± 45° Left/Right; ± 25° Up/Down	Operating:	0 to 10,000 ft. above sea level
Contrast Ratio:	600:1 Typical (Dark Ambient)	Storage:	0 to 40,000 ft. above sea level(MIL-STD-810E, Method 500.3, Procedure I/II)
Response Time:	25 ms (Typical) black to white 8 ms (Typical) white to black	Shock:	MIL-STD-810E, Method 516.4, Procedure I (functional test) for use on HMMWV Air Drop 10g, 100 ms, 1/2 Sine, 1 Axis, 1 Shock
Display Colors:	262,144	Vibration:	MIL-STD-810E, Method 514.4, Category 8, Procedure I (ground mobile equipment) for use on HMMWV
Synchronization Range:	Standard VGA & SVGA	Spray Tight:	MIL-STD-108E as a guide
Input Signal:		EMI:	MIL-STD-461D CE102, CS101, CS114, RE102,RS103
VGA Input:	0 to 0.8 Vp-p (0.7 Vp-p typical white) Separate sync. TTL level	Salt Fog:	MIL-STD-810E, Method 509.3, Procedure I, aggravated
Video Input:	Mates with D38999/26WB35SN Supports VGA and 2 NTSC Inputs	Solar Loading:	Operational Test MIL-STD-810E, Method 505.3, Procedure I, Three Cycles
Video Input Impedance:	75 Ohms	Power Requirements:	
Native Resolution:	800 x 600 VGA 640 x 480 Scaled	Power Supply:	18-32 VDC Input (MIL-STD-1275B except starting)
User Controls:		Power:	45 watts max (105 W max with internal heater activated @ 28 VDC)
Front Panel:	Brightness Up/Down, Blackout, Video Select	VGA & Power Connector	D38999/26WE35SN
Rear Panel:	Auto Adjust, Left, Right, Menu	Mate:	
Paint:	CARC (US only)	Auxiliary Chassis	E1 1/4 Stud
Other Features:	Sunlight Readable (contrast ratio >10:1 in 5000 ft candle ambient), Dim to 0 for Nighttime Use, Sealed Unit	Ground:	
Options:	NVG Compatible with Grade B Night Vision Goggles, Up to SXGA (1024 x 768) Available	Dimensions & Weight:	Rack Mount ARP920X
		Height:	10.03"
		Width:	13.03"
		Depth:	2.7" Max (not inc. rear connectors)
		Weight:	9 Lbs.
		Finish:	CARC IAW MIL-STD-171



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