

RUGGED MILITARY DISPLAYS

- 8.4", 10.4", 12.1" & 15.0" GROUND MOBILE LCDs
- SUNLIGHT READABLE
- WIDE TEMPERATURE RANGE
- VGA INPUT OR 1 DVI-D INPUT, OPTIONAL 3 NTSC BNC'S
- DESIGNED TO MEET MILITARY STANDARDS
- SEALED UNIT, IP67 SUBMERSIBLE
- FULLY DIMMABLE FOR NIGHT TIME USE
- 10-36 VDC, MIL-STD-1275D
- MIL-STD-461E
- MIL-STD-810F



Model:	CML84	CML10	CML12	CML15
Display Size:	8.4"	10.4"	12.1"	15.0"
Active Display Area, mm:	171 (H) x 128 (V)	211 (H) x 158 (V)	246 (H) x 185 (V)	304 (H) x 228 (V)
Native Resolution:	800 x 600	1024 x 768	1024 x 768	1024 x 768
Brightness, cd/m ² (typ.):	800	1000	1000	1000
Dimming:	3000:1	3000:1	3000:1	3000:1
Viewing Angle	80°U, 80°D 80°R, 80°L	80°U, 80°D 65°R, 65°L	80°U, 80°D 65°R, 65°L	60°U, 80°D 70°R, 70°L
Contrast Ratio ≥10:				
Contrast Ratio (typ.):	900:1	700:1	600:1	600:1
Display Colors:	16.7M	16.7M	16.7M	16.7M
Dimensions (W x H x D):	9.90" x 6.9" x 2.25"	11.60" x 8.13" x 2.2"	13.0" x 9.20" x 2.2"	14.81" x 11.0" x 2.18"
Weight:	6 lbs/ 3 kg	7.7 lbs/3.5 kg	9 lbs/ 4.1 kg	11 lbs/ 5.1 kg
Power Consumption:	20 Watts	20 Watts	20 Watts	40 Watts

Global Specifications	
NTSC Inputs:	Three per SMPTE 170M-2004 (BNC)
VGA Input:	One per VESA Standards or DVI-D
Input Power:	10-36VDC, MIL-STD-1275D
Display Backlighting:	LED Backlight Full Color
Backlit User Control Buttons:	Yes, Tracks Display Brightness
User Controls:	Seven Buttons- Power, Video Select, Brightness Up, Brightness Down, On Screen Display Control (3)
Electromagnetic Compatibility, MIL-STD-461E, Army, Ground, 28V Source Voltage:	CE102, CS101, CS114, CS115, CS116, RE102, RS101, RS103
Options:	Resistive Touchscreen, NVIS per MIL-STD-3009
Universal Mounting:	RAM, VESA 75mm, Panel Mount From Rear

Environmental Conditions MIL-STD-810F		
High Temperature Method 501.4:	Operating:	Procedure II, Constant 70°C
	Storage:	Procedure I, Constant 80°C
Low Temperature Method 502.4:	Operating:	Procedure II, -40°C
	Storage:	Procedure I, -40°C
Humidity:	Method 507.4	
Altitude Method 500.4:	Operating:	Procedure II, 15,000 feet
	Storage:	Procedure I, 40,000 feet
Shock Method 516.5:	Functional:	Procedure I, Ground, 516.5-I
	Bench Handling:	Procedure VI
Vibration Method 514.5:	Category 20, Procedure I, Profile 514.5C-3, Operational Service	
Explosive Atmosphere:	Method 511.4/5	
Immersion:	Method 512.4/5	
Acceleration:	Method 513.5 Crash Safety 810F	
Salt Fog:	Method 509.4	
Sand and Dust:	Method 510.4, Procedure I and II	
Immersion:	Method 512.4, Procedure I	

All specs designed to meet military standards

Aydin's Ground Mobile flat panel displays are specifically designed for use in severe environments as encountered by the military. Available in screen sizes of 8.4", 10.4", 12.1" and 15.0", these displays are designed for ground mobile vehicle applications, which require a solid mechanical design to protect the display against shock, vibration and temperature extremes.

Aydin Displays is:



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All specifications subject to change without notice.
For additional information, please contact your Aydin Displays sales representative.

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display technology