

Custom ruggedized Display modules

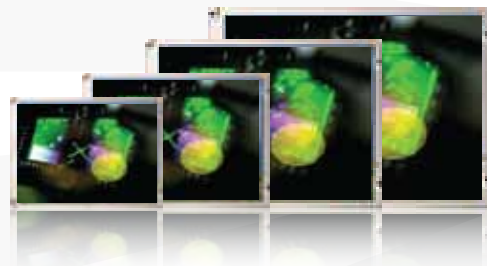
BORN from Aerospace

DCxxx Series

The DCxxx displays AMLCD modules series provide high performance ruggedized displays. Each module integrates Wamco's latest optical product and material science technologies. Every optical component is designed and manufactured to provide ultimate performance.

The modules are offered in standard version but can also be tailored to satisfy particular requirements. The modules are available in 8.4", 10.4", 12.1" and 15.0" sizes with XGA resolution.

DCxxx modules are particularly well suited in applications that require sunlight readability and compliance to night vision requirements as defined in MIL-STD-3009. Advanced options include integration of Wamco's BlackBackground™ technology for obtaining the ultimate NVIS Display.

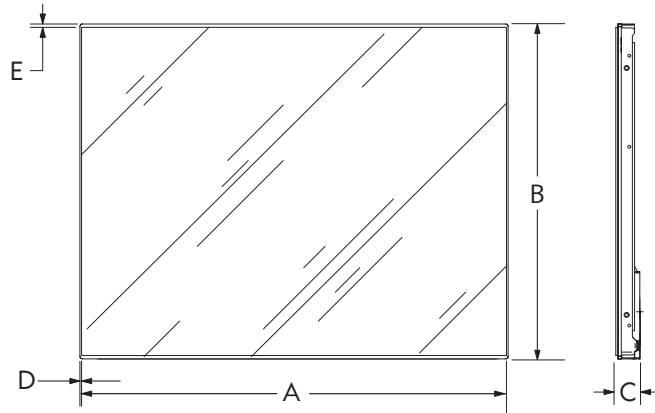


Highlights

- High performance TFT
- Solid state dual mode backlight
- Sunlight readable
- Robust structure, high performance optical bond
- High brightness, high contrast
- NVIS compliant, MIL-STD-3009
- Optional BlackBackground™ Technology



Mechanical Dimensions (in)



Display Size	A	B	C	D	E	MAX Backlight Power (Watts)	
						DAY	NIGHT
8.4"	7.85"	5.87"	0.52"	0.38"	0.05"	9.1	2.4
10.4"	9.06"	7.09"	0.48"	0.05"	0.05"	6.4	1.3
12.1"	10.67"	8.27"	0.54"	0.49"	0.05"	8.8	1.6
15.0"	12.83"	10.04"	0.73"	0.05"	0.10"	19.2	3.9

General Technical Information

Cover glass finish, multilayer anti-reflective coating, MIL-C-14806
 Integrated thermal sensor
 High reliability LED backlight

General Technical Information

Operating temperature -40°C to 55°C
 Storage temperature -55°C to 85°C
 Altitude 50,000 ft
 Humidity up to 95% RH, 60° condensing
 Salt Fog MIL-STD-810
 Sand and dust MIL-STD-202

Electro-Optical Information

Displays, AMLCD, TFT
 Resolution 1024x768
 Color depth, 6/8-bit, 16.7 M colors
 Maximum brightness >150fL
 Maximum NVIS brightness 15fL
 Sunlight readability
 Contrast ratio: >4.6, MIL-L-85762
 Viewing angle: H/80°/80° V/45°/45°
 Radiance: Nrb < 1.9E-9, MIL-STD-3009

