



6.5" AMLCD MULTIPURPOSE DISPLAY

The Brimar 6.5" Display is capable of displaying video only or video plus text and/or graphics for a wide range of applications, with resolutions of either VGA or XGA available.

The modular design enables the display to be configured for the optimum performance in the vehicle of choice.

APPLICATIONS INCLUDE:

- Remote Control Weapon Station (RCWS)
- Drivers Vision Enhancer (DVE)
- Local Situational Awareness (LSAS)
- Health and Usage Monitoring (HUMS)

TECHNOLOGY

The display can integrate with other vehicle systems via serial links including RS-232, RS-422, CANbus and milCAN B.

Brimar can customise the display software for user applications and the displays can be field re-programmed.

Brimar have other AMLCD sizes should this not be the optimum size for the intended application.

This display can offer either text and graphic capability and/or multiple video and PC options, and a high brightness (sunlight readable) variant can also be specified.

TECHNICAL SPECIFICATION

OPTICAL CHARACTERISTICS

Screen Size:	6.5" Diagonal
Native Resolution:	VGA or XGA
Viewing Angles:	Horizontal 80° Vertical up 80° down 60°
Brightness up to:	500 cd/m ² (VGA) 300 cd/m ² (XGA) 700 cd/m ² (optional)

ENVIRONMENT

Operating Temperature: -40°C to +71°C

Storage Temperature: -46°C to +85°C

EMC compatible (MIL-STD 461F)
Designed for Low Pressure operation and Air Transportation. Sealed against Driving Rain and Dust/Sand. Protected against Nuclear, Chemical & Biological agents and Fungal Growth. Resistant to Salt Corrosion, Fluid Contamination, Humidity, Shock, and Vibration. Boot Kick and Drop proof (MIL-STD 810C).

MTBF: >15,000hrs

PHYSICAL CHARACTERISTICS

Height:	165 mm
Width:	180 mm
Depth:	62 mm (75mm for high brightness)

INTERFACE & VIDEO OPTIONS

- Host Controls RS-232, RS-422, CANbus and option for milCAN B.
- Input Power 12W at steady state and 1.5W in standby. Up to 60W with heaters on or high brightness.
- Input Power Supply 28V raw vehicle supply (DEF-STAN 61-5 / MIL-STD 1275).
- Membrane Keys - 5 LED backlit keys standard.
- Video enabled for up to 4 composite (PAL/NTSC) or up to 2 YC (PAL/NTSC) or combination of both + separate input RGBHV for PC (VGA/SVGA/XGA).
- Buffered composite video output (PAL/NTSC)
- Optional LVDS digital input

FOR MORE INFORMATION ON THE BRIMAR 6.5" AMLCD MULTIPURPOSE DISPLAY



CONTACT US

BRIMAR LIMITED
Greenside Way
Middleton
Manchester
M24 1SN

Tel: +44 (0)161 681 7072
Fax: +44 (0)161 682 3818
Email: enquiries@brimar-ltd.com
Web: www.brimar-ltd.com

BRIMAR INC
2965 Colonnade Drive
Suite #201
Roanoke
VA 24018

Tel: +1 (540) 725 1688
Fax: +1 (540) 725 1690
Email: sales@brimarinc.net
Web: www.brimar-ltd.com