



## THE 8.4" AMLCD MULTIPURPOSE DISPLAY

This Brimar 28V display is capable of displaying video only or video plus text and graphics for a wide range of applications.

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

## APPLICATIONS CAN INCLUDE:

- Remote Controlled Weapon Station (RCWS)
- Fire Control System (FCS)
- Drivers Vision Enhancer Display (DVE)
- Local Situational Awareness (LSAS)

## TECHNOLOGY

Users of AFV or MBTs have a variety of applications that require various modules to be integrated into the display. Brimar can interface with RS232, RS422, RS485, CANBus and milCAN B. The display can be configured for the user to reprogramme the applications or Brimar can customise the software in-house.

The HMI constraints in turret applications or inside a vehicle often define the size of the display. This 8.4" AMLCD solution is an ideal size, although Brimar also have other AMLCD sizes from 5.6" to 17" if required.

This display can offer either text and graphic capability and/or multiple video and PC options including industry leading low-latency picture-in-picture processing capabilities.

## TECHNICAL SPECIFICATION

### OPTICAL CHARACTERISTICS

|                             |  |
|-----------------------------|--|
| Viewing Area:               | 8.4" Diagonal  |
| Resolution:                 | 800 x 600 SVGA                                       |
| Viewing Angles:             | Horizontal $\pm 80^\circ$<br>Vertical $\pm 60^\circ$ |
| Brightness/Luminance up to: | 380cd/m <sup>2</sup>                                 |

### ENVIRONMENT

|                        |                |
|------------------------|----------------|
| Operating Temperature: | -40°C to +71°C |
| Storage Temperature:   | -46°C to +85°C |

EMC compatible. 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.

|              |           |
|--------------|-----------|
| <b>MTBF:</b> | 15,000hrs |
|--------------|-----------|

### PHYSICAL CHARACTERISTICS

|         |       |
|---------|-------|
| Height: | 210mm |
| Width:  | 265mm |
| Depth:  | 70mm  |

### INTERFACE & VIDEO OPTIONS

Host controls: RS-232, RS-422, CANbus and option for milCAN B.  
 Input power: 30W at steady state and 3W at standby, Max 80W with heaters.  
 Input power supply: 28V raw vehicle supply.  
 Membrane keys: 20 LED backlit keys.  
 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 (800 x 600; 60Hz) and video out.

In addition to a full training output (inc text & graphics) this display is now available with a video recording and playback function

**FOR MORE  
INFORMATION  
ON THE BRIMAR  
8.4" AMLCD  
MULTIPURPOSE**

**DISPLAY**



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