

## 7" CRT MONITOR

Brimar offers a rugged CRT monitor suitable for surface combat systems. This 7" display is designed to be used inside/outside a vehicle or in a fixed configuration. It has been designed to display a monochrome image generated by a day/night IR camera or thermal imager. The monitor provides high resolution and brightness. The input to the display is composite video on either the standard RS170 format or CCIR.

## APPLICATIONS CAN INCLUDE:

- Commanders Sights
- Gunners Sights
- Thermal Imaging Sighting Systems.

## TECHNOLOGY

The system is suitable for either US or European TV raster imagery. The Brimar CRT monitor is designed to be cooled via conduction cooling with the outside case, a fan is not required. Brimar is unique as it manufactures all sub-components in-house, from the CRT through to the electronics and chassis, an important issue when signing contracts for 30 years supply. The monitor pedigree is based upon Brimar's experience and success on US and European defence programmes.

## TECHNICAL SPECIFICATION

### CRT CHARACTERISTICS

Viewing Area: 7" Diagonal  
Viewing Angles:  $\pm 70^\circ$   
Resolution: 54 lines/cm @ 200cd/m<sup>2</sup>.  
Brightness: >200cd/m<sup>2</sup>  
Phosphor: P43 White.

### ENVIRONMENT

Operating Temperature: -32°C to +67°C  
Storage Temperature: -40°C to +70°C

Designed for Low Pressure, Air Transportation, sealed Driving Rain and Dust/Sand, Chemical & Biological Protection, Fungal Growth, Corrosion Salt, Fluid Contamination, Humidity, Shock, Vibration, Electromagnetic Radiation, EMC, and Drop Test.

**MTBF:** 25,000hrs excl. CRT

### ELECTRONICS SPECIFICATION

Standard: CCIR 625 Line 50Hz and RS 170 60Hz interlaced.

Video Impedance: 75 ohms  $\pm 2\%$ .

Power Requirements: 28V to MIL-STD-1275B

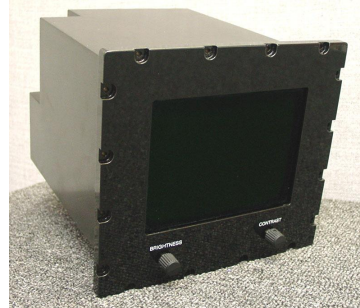
Power Consumption Total: <25 watts (at 200cd/m<sup>2</sup>)

### PHYSICAL DIMENSIONS

180H x 240D x 160W all dimensions in mm

Weight: <6KG.

**FOR MORE  
INFORMATION  
ON THE BRIMAR  
7" CRT MONITOR**



### CONTACT US

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