



5" CRT MONITOR

Brimar offers a rugged CRT monitor suitable for surface combat systems. This 5" 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, interlaced 2:1 and the Brimar design includes a precision scanning system.

APPLICATIONS CAN INCLUDE:

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

TECHNOLOGY

The system is compatible with 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

Usable screen area: 100 x 75mm for 4:3 aspect ratio with AR coated toughened glass
Resolution: 500 points per line in centre of tube.
Brightness: >450cd/m²
Phosphor: P45 White.

ENVIRONMENT

Operating Temperature: -40°C to +71°C
Storage Temperature: -51°C to +85°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: 30,000hrs excl. CRT

ELECTRONICS SPECIFICATION

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

Aspect ratio: Switchable between 4:3 and 4:1.77

Video impedance: 75 ohms ±2%.

Input type: Differential

Grey levels: 16 at 100 cd/m²

Video bandwidth: >12MHz -3dB

Gain control: Contrast control on front panel

Black level control: Brightness control on front panel

Warm up time: ,15 seconds after power

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

Power consumption total: <20 watts (at 450cd/m²)

PHYSICAL DIMENSIONS

140H x 140D x 250W all dimensions in mm

Weight: <4KG.

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



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