



1.5" CRT MONITOR KIT

Brimar manufactures a rugged CRT monitor kit suitable for surface combat systems. The housing comprises of a ruggedized and fully shielded CRT, a stabilized high voltage power supply module and a circuit card assembly, all of which are designed to be installed in a customer's housing.

Brimar CRT kits form the heart of thousands of sighting systems around the world, from main battle tanks to man-portable systems.

APPLICATIONS CAN INCLUDE:

- Fire Control System (FCS)
- Commanders Sights
- Gunners Sights
- Thermal Imaging Sighting Systems.

TECHNOLOGY

The system is suitable for either US or European TV raster imagery. The Brimar CRT is designed for use with an optical system, either with a bocular or monocular optic. Other features of the system are low power usage, light physical weight, small physical size and the option for flexibility to reconfigure optics and hardware to suit a particular application options.

TECHNICAL SPECIFICATION

CRT CHARACTERISTICS

Electromagnetic deflection CRT
47mm Diameter CRT with 40mm USD.
Raster Size: 30mm x 22.5mm.
Luminance: 30fL
Phosphor: P43

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, Nuclear, Boot Kick and Drop Test.

PHYSICAL DIMENSIONS

Length: 220mm
Width: 134mm
Height: 116mm

Weight: 1.27Kg

VIDEO INPUT

Format: 525 lines standard RS170, 60Hz field rate, interlace
Video impedance: 75 ohms $\pm 5\%$.
Power consumption: <12W
DC Input: $\pm 15V$

**FOR MORE
INFORMATION
ON THE BRIMAR
CRT MONITOR KIT**



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