



Compact Target Acquisition System (CTAS)

The Compact Target Acquisition System (CTAS) is an innovative docking station that transforms any LRF equipped with a serial communication port (RS-232/422) into a sophisticated Target Acquisition System with Command and Control (C²) capabilities. In this way, the CTAS boosts cost-effectiveness by utilizing the user's existing LRF.

Whether hand-held or tripod-mounted, the CTAS is ideal for dismounted infantry commanders, forward observers, and any other user requiring GEO location, tactical intelligence gathering and C².

The CTAS offers the following main capabilities:

- Improved orientation and situation awareness.
- Real-time display of the user's tactical data and objects, including self-position and acquired target locations, as a stand-alone system or via networked platforms.
- Shortened "sensor-to-shooter" fire cycle.
- Fire correction capabilities.

The CTAS incorporates the following main elements:

- Micro-Controller Unit
- GPS
- Digital Magnetic Compass
- High-quality SVGA near-eye display with shuttered guard
- Control buttons and integral mouse

CTAS



Technical Characteristics

Display

Image Source Type Full color OLED, 800 x 600
Contrast >100:1

Optical

Field of View (Direct view) 28° diagonal
Eye Relief 22 mm
Exit Pupil 8 mm

Digital Magnetic Compass (DMC)

Bearing Accuracy 0.5°
Inclinometer Dual axis, pitch & roll to 45°, accuracy 0.2°

Mechanical

Weight < 400 grams

Controls

Mouse Pointer + Left/Right Buttons
Control Buttons LRF control, Power ON/OFF, Brightness adjustment

Environment Conditions

Operating Temperature -32°C to 55°C



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