

Mini CORAL

Uncooled Hand-Held Thermal Imager with Target Acquisition Capabilities



Mini Coral is a lightweight thermal imager and target acquisition system designed for both urban warfare scenarios and for wide spread battlefield deployment. The system incorporates a GPS, day, night and fused channels, laser range finder and a compass, enabling the operator to acquire target coordinates to ranges of 2-3 kilometers and save the target data, image and video in a target data bank. Mini Coral is a key to any large-scale infantry modernization program

Main Features

- Color day camera
- Real-time target acquisition and target coordinate calculation
- Target image and target bank storage memory
- Built-in real time video recorder – MPEG compression
- Interface to BMS
- 8 hours of operation with a single battery
- Designed and tested IAW MIL-STD-810F
- B.T. comm.
- Wi-Fi comm.

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Technical Data

Thermal Imager

Spectral band 8 – 12µm
IR detector Uncooled 640 x 480 microbolometer

NFOV 6° x 4.5°
WFOV

VIS Cameras

NFOV Digital, color HP
6° x 4°

Laser Rangefinder

Wavelength Diode laser
Lasing range Eyesafe Class 1m 1.55µm
10 – 2500 m for NATO target

Digital Magnetic Compass

Azimuth accuracy ±0.5 deg.
Dimensions 200x180x100mm

GPS

Integral GPS receiver
Internal video recording 8 hours
Eyepiece High quality monocular (binocular – optional)

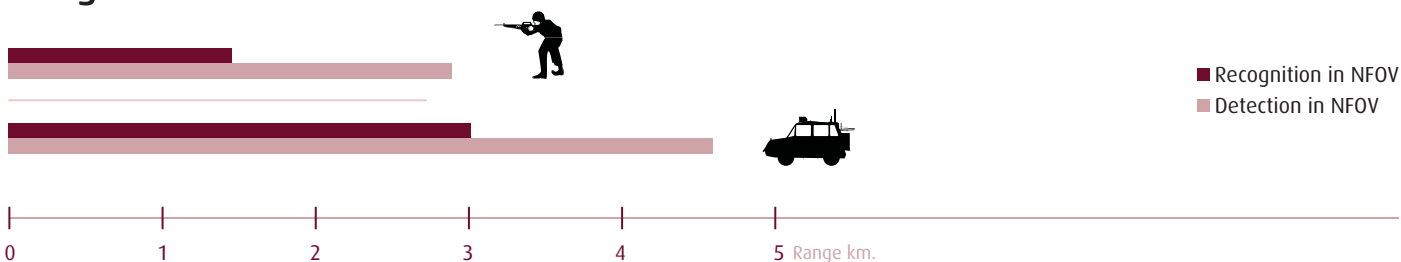
Additional Features

Power sources Rechargeable battery; AC/CD or DC/DC adapter
Operating time 8 hours
Weight <1.8 kg incl. battery
Interface to BMS
Environmental conditions IAW MIL-STD-810F
Operating temperature -32° to +55° C

Applications

- Reconnaissance and target Acquisition
- Forward observers
- Infantry commanders
- Special forces

Range Performance:



Fused Image