# **CORAL-CR**

Advanced Hand-Held 3-5µm Lightweight Thermal Imaging Camera with Continuous Optical Zoom and Target Acquisition Capabilities



#### Selected by Several NATO Countries

### Main Advantages & Features

- · Continuous IR optical and digital zoom
- · Long-range performance
- · Advanced high resolution detector
- Integral eyesafe LRF, day CCD cameras, digital magnetic compass, integral GPS
- Real-time target acquisition and target coordinate calculation
- Real-time target data transmission of coordinates to external device
- Target image and data storage memory
- · Advanced high resolution color OLED display
- · Adjustable binocular viewer
- · Low acoustic noise

#### **Applications**

- · Infantry, scouts and special units
- Security and perimeter defense
- · Target acquisition systems for infantry commanders
- · Night sight and target acquisition for Future Soldier



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#### **Options**

- Add-on x2 telescope
- Integral laser pointer
- Clip-on laser pointer



Thermal Imager:

Spectral band 3-5 µm Entrance aperture 40 mm

Fields of View (continuous zoom)

Narrowest 2.5° x 2.0° (CCIR) Widest 12.5° x 10.0° (CCIR)

Digital zoom (E-zoom) x2, x4

Detector

Type InSb FPA No.of elements 640 x 512 Video signal CCIR or RS170

Miniature, high resolution Display

color OLFD

Adjustable binocular Viewer

Day CCD:

2.5° B/W (VIS+NIR) or color **NFOV** 

10° B/W (VIS+NIR) WFOV

LRF:

Type **Erbium Glass** Wavelength 1.54µm Laser safety Eyesafe Output energy 2 mJ Max. pulse rate 6 ppm

GPS: Integral

(external GPS optional)

Digital Magnetic Compass (DMC):

Azimuth accuracy Elevation accuracy 10

Displayed angle format Deg/Mil (User Selectable)

Power source options

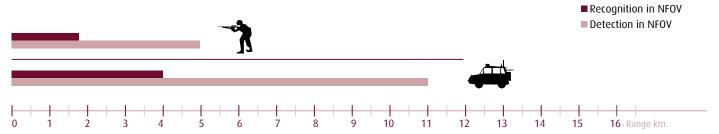
Weight

Rechargeable or

external AC/DC or DC/DC <3.7 kg (incl. battery)

**Environmental conditions** IAW MIL-STD-810F Operating temperature -30°C - +55°C

## Range Performance:





Security & Tactical EO Solutions – ELSEC

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