

# CORAL-CR

Advanced Hand-Held 3-5 $\mu$ m 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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Security & Tactical EO Solutions – ELSEC

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## Options

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

## Technical Data

### Thermal Imager:

Spectral band	3-5 $\mu$ m
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
Display	Miniature, high resolution color OLED
Viewer	Adjustable binocular

### Day CCD:

NFOV	2.5° B/W (VIS+NIR) or color
WFOV	10° B/W (VIS+NIR)

### LRF:

Type	Erbium Glass
Wavelength	1.54 $\mu$ m
Laser safety	Eyesafe
Output energy	2 mJ
Max. pulse rate	6 ppm

### GPS:

Integral  
(external GPS optional)

### Digital Magnetic Compass (DMC):

Azimuth accuracy	1°
Elevation accuracy	1°
Displayed angle format	Deg/Mil (User Selectable)

### Power source options

Rechargeable or external AC/DC or DC/DC  
<3.7 kg (incl. battery)  
IAW MIL-STD-810F  
-30°C - +55°C

### Weight

Environmental conditions  
Operating temperature



## Range Performance:

