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

Elbit Systems™

Security & Tactical EO Solutions – ELSEC

CORAL-CR

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

Options

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

Technical Data

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
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	1.54μm
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)

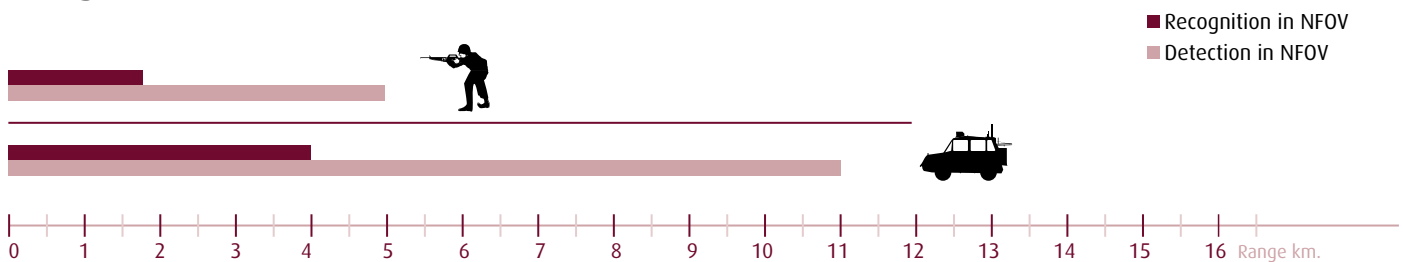|	
Power source options	Rechargeable or external AC/DC or DC/DC
Weight	<3.7 kg (incl. battery)
Environmental conditions	IAW MIL-STD-810F
Operating temperature	-30°C - +55°C

Range Performance:

■ Recognition in NFOV
■ Detection in NFOV

Range km.

Security & Tactical EO Solutions – ELSEC
Industrial Area P.O.B 388 Sderot 80100, Israel
E-mail: istar@elbitsystems.com   www.elbitsystems.com

Follow us on

Elbit Systems™
Security & Tactical EO Solutions – ELSEC