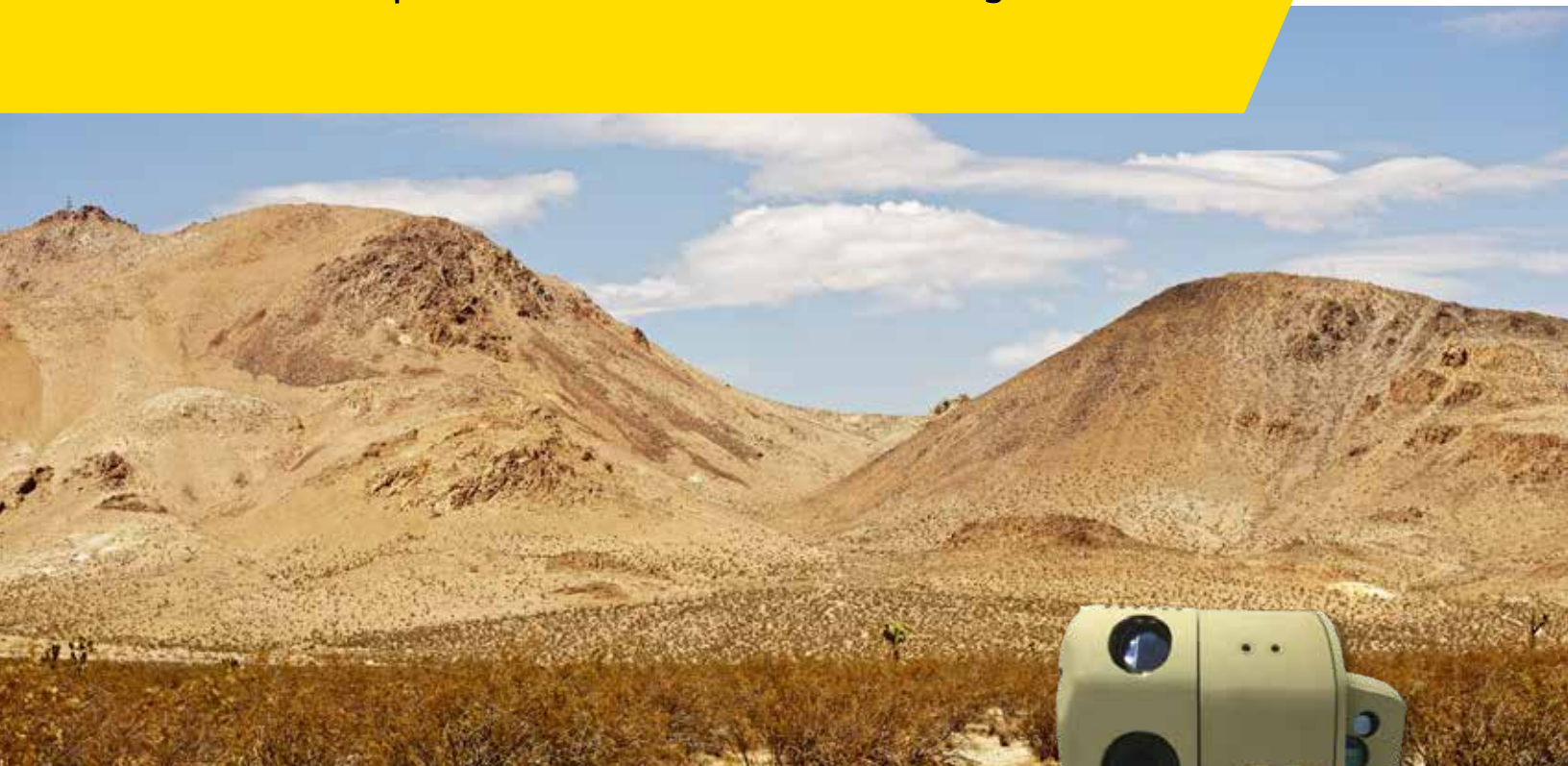


# COAPS

## Commander Open Architecture Panoramic Sight



COAPS is an advanced, modular dual-axis stabilized sight for MBTs and AFVs. Based on open architecture, it is easily adaptable to sensor additions/changes.

### Main Advantages & Features

- Facilitates long-range target acquisition day and night, in both stationary and mobile situations
- Wide range of advanced sensors, including 3-5 $\mu$ m or 8-12 $\mu$ m thermal imagers, color zoom camera and eyesafe laser range finder (ELRF), as well as:
  - Built-in electronic unit
  - Independently stabilized dual-axis
  - Dedicated ballistic protection
- Independent 360° panoramic view
- Provides hunter-killer capabilities with the turret system through the existing GMS

### Applications

- Fire control computation
- Long-range target acquisition
- Independent surveillance



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ISTAR

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### Technical Data

#### Sight

- Line of sight freedom  
El: -20° to +60°  
Az: n x 360°
- Stabilization accuracy  
Better than 100 µrad (1σ)
- Positioning/slaving accuracy  
Better than 150 µrad (1σ)
- Tracking speed  
0,2 mil/s to 800 mil/s
- -E- l, Az  
3 Rad/s2
- -E- l acceleration  
1 Rad/s2
- -A- z acceleration



### Sensors

#### FLIR

	Option 1	Option 2
• Spectral waveband	3-5 µm	8-12µm
• Detector	640 x 512 / 1024 x 768	640 x 512 / 1280 x 1024
• Video output	CCIR-B or digital 10 bit format	CCIR-B or digital 10 bit format
• FOVs	Continuous optical zoom 1.7°-25°	NFOV: 3.2°(H) x 2.4°(V) WFOV: 9.6°(H) x 7.2°(V)
• Range performance (km) NFOV NATO target	10.5/4.5/2.2 (DRI)	10.5/4.5/2.2 (DRI)

#### Day Channel Camera

• Wavelength	Visible range
• Technology	CCD / CMOS HDTV
• Sensitivity	Color mode: 12 Lux Black & white mode: 2 Lux
• Video output	CCIR-B/PAL
• FOV	Continuous optical zoom x21 NFOV: 1.7° x 1.3°
• Range performance (km) NFOV NATO target	11.5 /5.1/2.3 (DRI)

#### ELRF

• Wavelength	1.54µm (eyesafe)
• Range	200 to 7000 ± 5 m for NATO size target 2.3 x 2.3
• Discrimination between targets	5 mrad, 30 m
• Pulse repetition rate	10 ppm

#### Environmental conditions

- Operating temperature  
-20°C to +55°C
- Storage temperature  
-30°C to +70°C
- Vibration  
MIL-STD-810E, Method 514.4
- Shock  
75g, 5msec



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