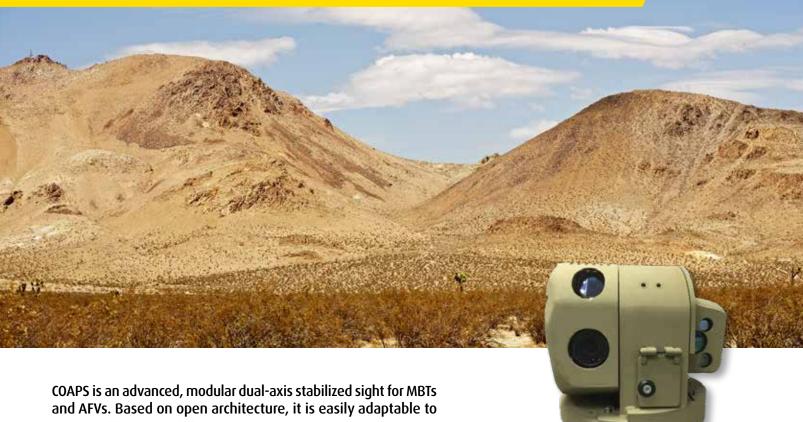
COAPS

Commander Open Architecture Panoramic Sight



sensor additions and changes.

Main Advantages & Features

- Facilitates long-range target acquisition day and night, in both stationary and mobile situations
- Wide-range of advanced sensors, including 3-5µm or 8-12µm 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



COAPS

Commander Open Architecture Panoramic Sight

Technical Data

Sight

· Line of sight freedom

El: -20° to +60° Az: n x 360°

Stabilization accuracy

Better than 100 µrad (1a)

Positioning/slaving accuracy

Better than 150 µrad (1a)

Tracking speed

• -E- I, Az

0,2 mil/s to 800 mil/s

· -E- I acceleration · -A- z acceleration

1 Rad/s2





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 repetetion rate	10 ppm

Environmental conditions

· Operating temperature -20°C to +55°C -30°C to +70°C · Storage temperature

 Vibration MIL-STD-810E, Method 514.4



Elbit Systems Ltd.

Advanced Technology Center, P.O.B 539, Haifa 3100401, Israel E-mail: istar@elbitsystems.com www.elbitsystems.com





