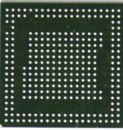


MiniScope X-SEE™

Uncooled ASIC thermal imaging MonoScope

Sights and Surveillance



Benefits

- 900 mw power consumption only
- Unmatched thermal image quality for Day/Night/All-Weather operations
- Head/Helmet mounted or Clip-On
- SWAP - Miniature & Light-weight
- Ease & Continuous operation for hours



X-SEE is an advanced new generation of miniature monoscope based on Senso-Optics' Camera-On-Chip (COC) ASIC technology.

X-SEE provides vivid High-sensitive, high resolution thermal video images under harsh conditions of military operations.

X-SEE is the lightest & smallest in the market.

X-SEE is an upgraded thermal imaging option for customers currently using PVS-14 night-vision (based on Image-intensifier).

SENSOPTICS
SENSING YOUR TARGET

Specifications

Sensor Type	Un-cooled bolometer 640x480/17micron
Spectral Sensitivity	8 ÷ 12 microns
Lenses	EFL = 19mm (X1) or 38mm (X2) $\pm 10\%$
Field ofView (X1 or X2)	31.2° H x 23.4° V or 15.6° H x 11.7° V $\pm 10\%$
Magnification	X1 or X2
F#/	1.1 (X1) or 1.4 (X2) $\pm 10\%$
NETD	≤ 50 mk (F#/1°C, 30 Hz, 25°C)
Eye Piece	Diopter adjustment +2D ÷ -5D
Focusing Range	0.5 meters to Infinity
Reticules	On/Off (Programmable)
Reticules calibration	Electronically ± 10 mrad
Mounting	Picatinny Adapter (Mil-Std-1913)
Battery operation	Approx. 8 hrs. (w/2 Lithium batteries CR-123)
Eye-Piece Display	OLED Viewfinder 800 X600
Display control	Power-save proximity sensor
Video out Interface	MHL (digital)
Controls	3 Control buttons /On-Off Switch
Temperature Range	-30°C to +70°C
Waterproof	IP-67, Nitrogen Sealed
Dimensions	L=105X40X60mm
Weight	≤ 330 gr.
Environmental conditions	Per MIL-STD-810
D.R.I Mans-Size Targets	D=600m, R=200m, I=100m (50% probability)



SENSOPTICS
SENSING YOUR TARGET

P.O.Box 600 Industrial Park, Yokneam 20692, Israel
Telephone +972 4 9935527 Fax +972 4 9935894
info@sensioptics.com www.sensioptics.com