

# SensoCam™

Hand-Held uncooled thermal imaging goggles



**SensoCam** is an uncooled thermal imaging Hand Held & Head-Mounted goggles. **SensoCam** provides vivid thermal picture under harsh conditions of military operations. **SensoCam** is the lightest in the market, only 660 gr. operational ready (with batteries). **SensoCam** may be an upgraded option for customers currently using PVS-7 night vision goggles (based on Image-intensifiers) to thermal imaging goggles.

## Benefits

- Unmatched image for night operations
- Helmet mounted
- Light and compact
- Ease & Continuous operation for hours

**SENSO**OPTICS  
SENSING YOUR TARGET

## Hands free Thermal night vision

Aimed to provide the field soldier with unmatched night vision, **SensoCam** weighs just 660 grams, making it the lightest high resolution uncooled thermal imaging goggles in the field.

**SensoCam** powerful thermal imaging camera provides clear and detailed image of targets and objects in the field with real time image processing capabilities, assuring that the target is seen even under the harshest battle conditions, smoke & fire.

**SensoCam** provides up to fifteen (15) hours of operation at standard ambient conditions.

**SensoCam** has been modularly designed as an upgrading kit for PVS-7 users, shifting from the old technology of image intensifiers to Senso-Optics' un-cooled thermal imaging cameras.

## Specifications

<b>Optics</b>	Sensor (Un-cooled)	Micro bolometer 17 $\mu$ , 640X480 resolution
	Lenses & Magnification	11mm (Wide angle) or 20mm(X1)'(40mm-X2-OPTIONAL), (80mm-X4-OPTIONAL)
	FOV (w/20mm)	28.5° Horizontal X 23.1° Vertical
	Focusing Mechanism	Manual
	Focus Range	1m to $\infty$
	Eyepiece resolution	OLED 852 x 600
	Eyepiece Focus (Diopter)	+2D ÷ -6D
	Gain/Level	Automatic/manual gain control
<b>General</b>	Environmental Standards	MIL-STD-810G IP-67 sealed & Nitrogen filled
	Operation temp.	-20°C to +60°C
	Storage temp.	-30°C to +71°C
	Power	12v (4X 3v Lithium batteries CR-123A)
	Dimensions (mm)	W135 x L155 x H75 (With 20mm lens)
	Weight (w/20mm lens)	660 gr. - Operational ready

Lens focal length (EFL)	Man-Size Detection Ranges	Man-Size Recognition Ranges
20mm	600m	200m

## Superior image quality

Senso-Optics' thermal imagers are operationally used by the IDF Special operation Forces.

**SensoCam** standard version provides the user with intuitive ease of operation. Different lenses from WFOV (Wide-Field-of-View) up to NFOV (Narrow-Field-of-View), upon customers' choice for higher detection ranges.

**SensoCam** thermal goggles offers a choice of accessories, such as:

- Soft Carrying Case
- Picatinny rail adaptor which allows quick-mount installation on customers' equipment
- Head mount adaptor allows **SensoCam** to clip-on helmet and keeping the soldier with hands-free operation for all his missions.

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