

SensoCam™

Hand-Held uncooled thermal imaging goggles or monoscope

Sights and Surveillance



www.rotaryview.com/view/view360.php?id=1612133

SensoCam-20 is an uncooled thermal imaging Hand Held & Head-Mounted goggles. **SensoCam-20** provides vivid thermal picture under harsh conditions of military operations. **SensoCam-20** is the lightest in the market, only 600 gr. operational ready (with batteries). **SensoCam-20** 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

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Hands free night vision

Aimed to provide the field soldier with hands free night vision, **SensoCam-20** weighs just 600 grams, making it the lightest high resolution uncooled thermal imaging goggles in the field.

SensoCam-20 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-20 provides up to six (6) hours of operation at standard ambient conditions.

SensoCam-20 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

Optics	Sensor (Un-cooled)	Micro bolometer 25 μ , 384X288 resolution
	Lenses & Magnification	20mm (X1), 35mm (X2) and 75mm (X4) Optional
	FOV (20mm)	27° Horizontal X 20° Vertical
	Focusing Mechanism	Manual
	Focus Range	1m to ∞
	Eyepiece resolution	OLED 852 x 600
	Eyepiece Focus (Diopter)	+2D ÷ -6D
	Gain/Level	Automatic/manual gain control
General	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 (4X3v Lithium batteries CR-123A)
	Dimensions (mm)	W135 x L150 x H55
	Weight (20mm lens)	660 gr. - Operational ready

Lens EFL	Detection Ranges	Recognition Ranges
20mm	400m	133m
35mm	700m	233m
75mm	1,500m	500m

Superior image quality

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

SensoCam-20 standard version provides the user with replaceable 20mm lens (X1) WFOV (Wide-Field-of-View) and ease of operation.

It can be also equipped with customers' choice of lenses for higher detection ranges.

A choice of accessories is offered with the

SensoCam-20 thermal goggles, such as:

- Soft Carrying Case
- Picatinny rail adaptor which allows quick-mount installation on customers' equipment
- Head mount adaptor allows **SensoCam-20** clip-on helmet and keeping the soldier with hands-free for all his missions.

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