

Thermal imager for helmet: RIS1/RIS2



APPLICATIONS

RECONNAISSANCE

SURVEILLANCE

BORDER PATROL

TARGETING

FEATURES

Uncooled Microbolometer with resolution of 384x288 or 640x480

Designed for rough environment
MIL-810, IP67, shockproof

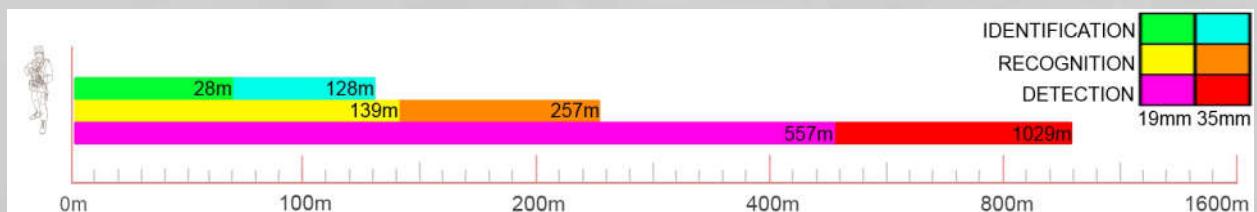
TWO lens system

DESCRIPTION

Uncooled Microbolometer with sensitivity of less than 60mK or 50mK , sensor is based on Amorphous Silicon (a-Si), with pixel size of 17µm

The RIS 1/RIS 2 is designed to be robust, lightweight, ergonomic and to operate in all weather conditions ,day and night

We use primary 19mm germanium lens and additional 35mm germanium lens for two FOV's



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	RIS - 1	RIS - 2
Resolution	384x288	640x480
Detector Pitch		17μm
NETD	< 60 mK	< 50 mK
Spectral response		7- 14μm
Lens Standard	19mm , FOV 19,5°	19mm, FOV 32°
Lens Option	35mm, FOV 10°	35mm, FOV 17,6°
Polarity	White HOT / Black HOT	
Temperature measure	from -20°C to 200°C	
Display	LCD/OLED 800x600	
Switch on time	15 sec	
Screenshot /Video capture	Built-in DVR (JPEG and AVI) (Option)	
Connectivity	USB port/ RS232 (Option)	
Data storage	Micro SD card slot (Option)	
Battery	1x Li-ION 7,2V, 2100mAh or 2x CR123	
External Power supply	9-24 VDC (Option)	
Power consumption	2,9W	
Dimensions with standard lens	130mm x 120mm x 65mm	
Dimensions with option lens	160mm x 120mm x 65mm	
Weight with standard lens	0,60 kg	
Weight with option lens	0,75 kg	
Operating temperature	from -20°C to +50°C	
Storage temperature	from -40°C to +70°C	



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