SENSOR LaZ 500L

KEY FEATURES

- Full HD CCD Camera
- MW cooled XGA detector
- Laser range finder
- Total weight: 21 kg

PERFORMANCE OF THE INFRARED SIGHT SYSTEM			
Detector cooled			detector, CMT – FPA
Numbers of detector pixels			1024 x 768
Wavelength			3–5 µm
Cooling time			≤5 min (@ 23°C), ≤12 min (@ 63°C)
NFoV			2.1° x 1.6°
WFoV			12° x 9°
Focus distance (@ 21°C)			10 m to infinity for NFoV, 5 m to infinity for WFoV
Type of optics			Switching optic with 2 FoVs (additional 2 digital zoom FoVs)
FoV change time (@ 21°C)			≤2 s
NETD			‹30 mK
Range performance *)	Identification	›6,800 m	›3,700 m
*) STANAG 4347 σ=0.2; σ=1	Recognition	›11,900 m	›4,700 m
	Detection	›19,800 m	›5,800 m

PERFORMANCE OF THE CCD CAMERA MODULE			
Number of detector pixels			1920 x 1080
Wavelength			420 – 700 nm
NFoV			1.4° x 0.8°
WFoV			14° x 8°
Focus distance (@ 21°C)			10 m to infinity for NFoV, 5 m to infinity for WFoV
Type of optics			Continuous zoom with 5 predefined FoV + 2x digital zoom at NFoV
FoV change time (@ 21°C; between predefined FoVs)			≤2 s
Range performance *)			
*) VR=20 km; VR=4 km	Identification	›6,900 m	›2,200 m
	Recognition	›8,200 m	›2,450 m
	Detection	›11,400 m	›2,780 m

PERFORMANCE OF THE LASER RANGE FINDER	
Measurement range @ NATO target	up to 39,900 m
Precision	±5 m

INTERFACE	
Communication	Gigabit-Ethernet (NGVA), optional: CAN-Bus
Video	Gigabit-Ethernet, optional: SDI
Voltage	24 VDC (stabilized)
Power consumption	‹40 W (steady state)/‹110 W (dynamic state)

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