SENSORS LaZ 300L AND LaZ 400L

SENSOR – LaZ 300L

- CCD camera
- MWIR cooled detector
- Laser range finder
- Total weight: 15 kg

SENSOR – LaZ 400L

- CCD camera
- MWIR cooled detector
- Laser range finder
- Angle compensation system
- Total weight: 20 kg

PERFORMANCE OF THE INFRARED SIGHT SYSTEM			
Detector			Cooled detector, CMT – FPA (HgCdTe)
Numbers of detector pixels			640 x 512 (480 used), 50 Hz
Wavelength			3–5 µm
Cooling time			≤5 min (@ 23°C), ≤12 min (@ 63°C)
NFoV			2.75° x 2.06°
WFoV			9.15° x 6.86°
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)			≤1 s
NETD			‹30 mK
Range performance *)	Identification	›2,970 m	›2,480 m
*) STANAG 4347 σ=0.2; σ=1	Recognition	›5,720 m	›3,960 m
	Detection	›14,160 m	›5,510 m
Communication			CAN-Bus, optional: Gigabit-Ethernet
Video			LVDS (CCIR), optional: Gigabit-Ethernet

PERFORMANCE OF THE CCD CAMERA MODULE			
Number of detector pixels			1,000 x 1,000 (768 used), 25 Hz
Wavelength			420–700 nm
NFoV			2.2° x 1.69°
WFoV			20° x 15.36°
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)			≤2 s
Dynamic range			›57 dB
Range performance *)			
*) VR=20 km; VR=4 km	Identification	›4,200 m	›1,500 m
	Recognition	›6,100 m	›2,100 m
	Detection	›9,500 m	›2,500 m
Communication			CAN-Bus, optional: Gigabit-Ethernet
Video			LVDS (RGB), optional: Gigabit-Ethernet

PERFORMANCE OF THE LASER RANGE FINDER	
Measurement range @ NATO target	10,000 m
Precision	±5 m

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