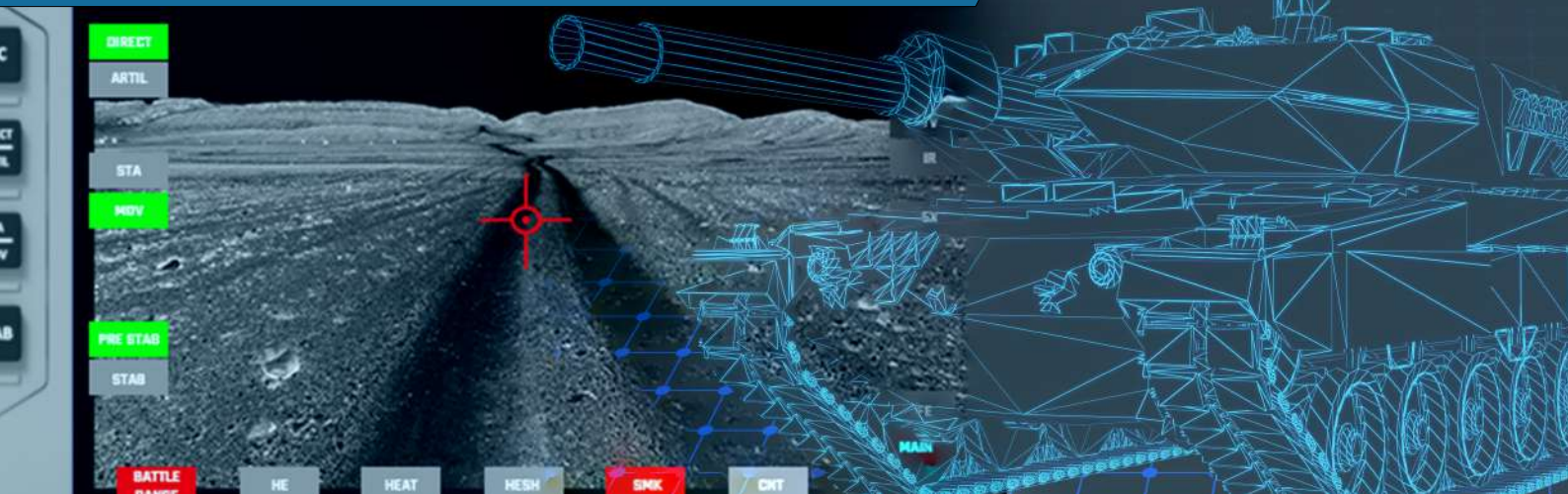


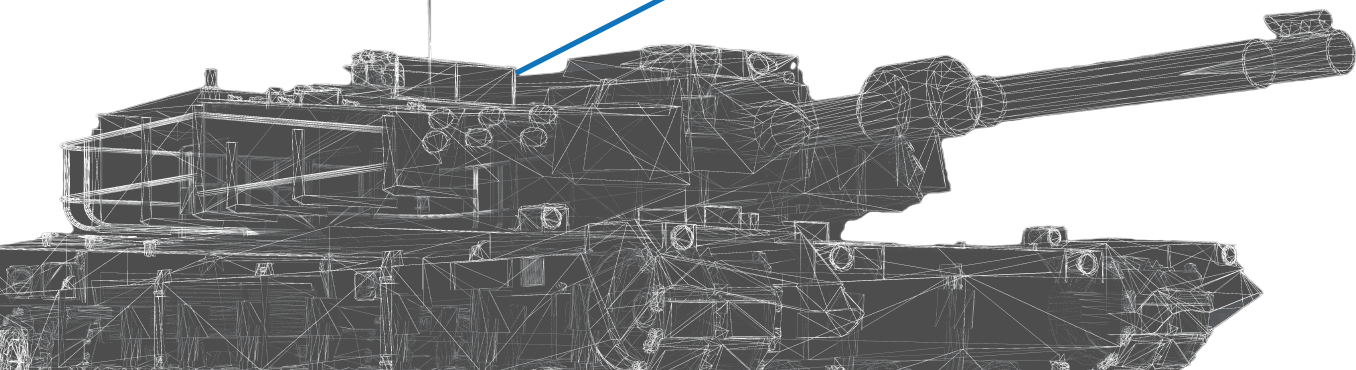
SENTRY

EO/IR SIGHT



SENTRY is a new generation, highly advanced electro-optical sight system which consists of a uncooled thermal camera, a day-camera and a laser range finder. The sight can also be configured as a target locator to generate target coordinates with the addition of optional sub-components. The system provides day & night surveillance capability, providing superior situational awareness. With real-time threat detection and analysis features, **SENTRY** empowers users to monitor and respond to their environment with precision and confidence.

- Remote Control Weapon Stations
- Manned/Unmanned Platforms
- Reconnaissance & Surveillance
- Detect & Track Threats



FOTONiKS™

SENTRY

EO/IR SIGHT

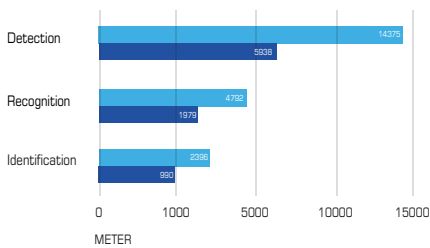


Technical Specifications

Thermal Channel		Laser Range Finder (Visibility 25km open weather, target reflectivity 30%, possibility 90%.)	
Detector	■ VOx FPA - Uncooled	Type	■ Class 1 - eye Safe
Resolution	■ 640x512	Wave Length	■ 1.5 μm
Pixel Pitch	■ 12 μm	Range	■ 32000 m
F No	■ F1.4	Accuracy	■ 0.01 - 0.5 m
Frame Rate	■ 50 Hz	NATO Vehicle	■ 12.000 m
Wave Length	■ 8 ~ 14 μm	Electro Magnetic Compatibility	
Cooling Time	■ N/A		■ CE102-CS101-CS116-RS103
Focal Length	■ 30-150 mm Continous Zoom		■ MIL-STD4-61F,MIL-STD-1275E MIL-STD-1310H
FOV (HFOV-VFOV)	■ 14.6°x 11.7° ~ 2.9°x 2.3°	Environmental	
Electronic Zoom	■ 8X (Continous Zoom - Step Size: 0.1)	Operational Temp.	■ -32°C ~ +55°C
Optical Zoom	■ 5X	Storage Temp.	■ -40°C ~ +70°C
Video Out	■ Ethernet	Electrical	
Communication	■ Ethernet	Supply Voltage	■ 12-36 V DC
Day Channel		Power Consump.	■ 30W
Detector	■ 1/2" CMOS	Physical	
Resolution	■ 2.1 M Pixel (1920 x 1080)	Size	■ 294mm x 324mm x 220mm
Focal Length	■ 6~ 210 mm	Weight	■ 18 kg
FOV (HFOV-VFOV)	■ 61.9° ~1.9° ~ 37.2° ~1.1°		
Min. Focus	■ <1.5 m		
Electronic Zoom	■ 16X		
Optical Zoom	■ 35X		

All values are subject to ± %10 production tolerance.

THERMAL CHANNEL

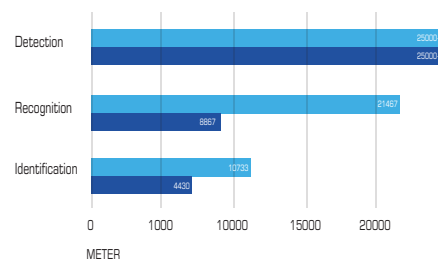


VEHICLE
Stanag 4347
Thermal Contrast : 2°C
σ : 0.2 /Km
Probability : 50%



HUMAN
Stanag 4347
Thermal Contrast : 5°C
σ : 0.2 /Km
Probability : 50%

DAY CHANNEL



VEHICLE
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%



HUMAN
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%

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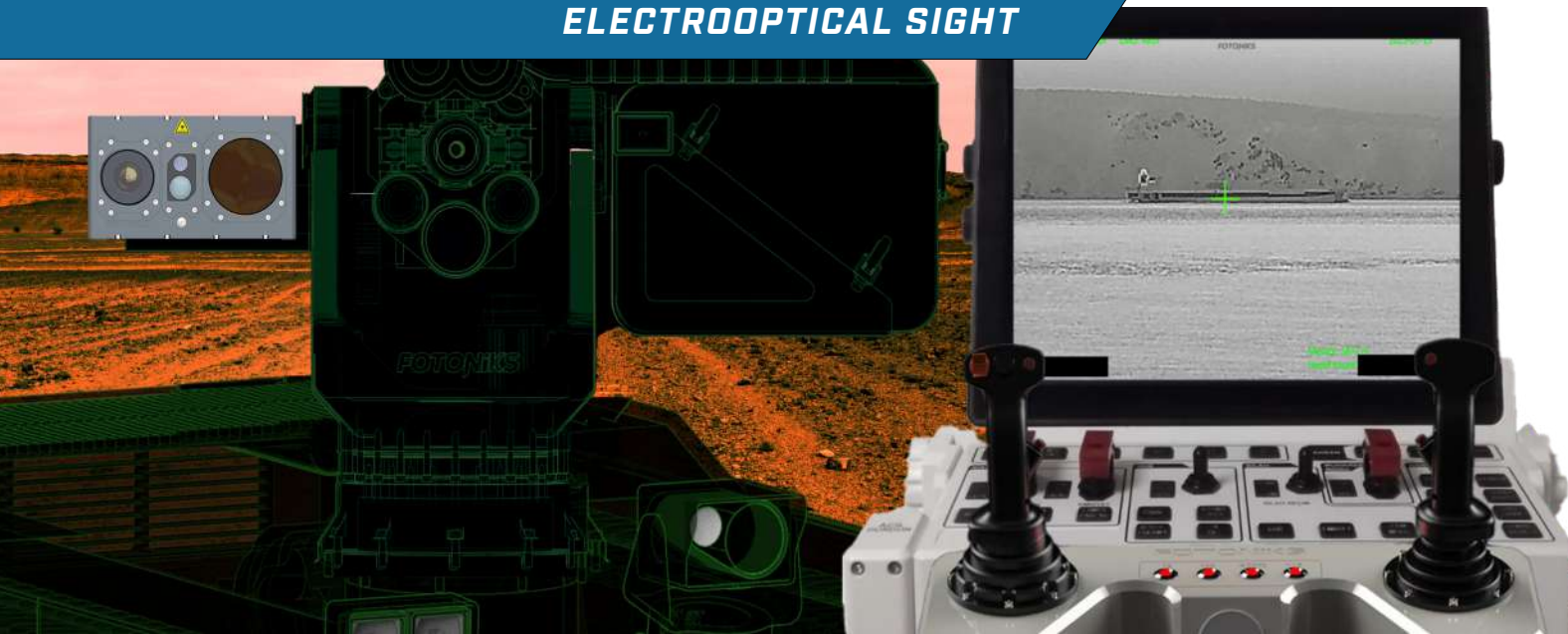
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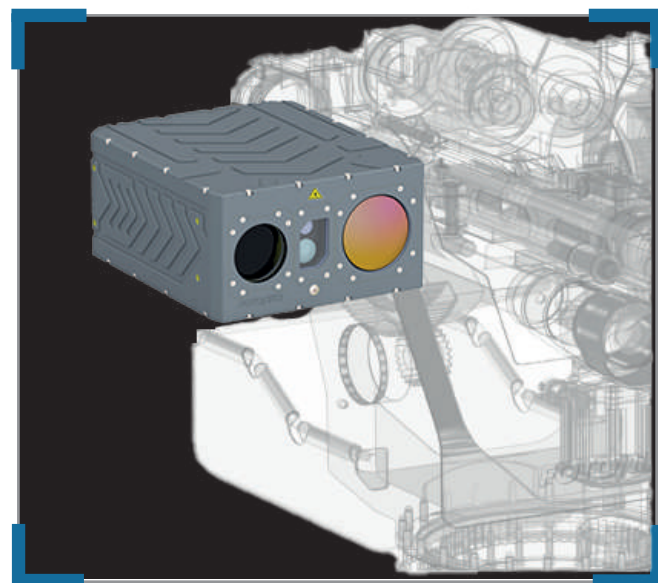
EON-S

ELECTROOPTICAL SIGHT



EON-S is an advanced, new generation electro-optical sensor and sight system, featuring a low-profile design. It integrates a high-resolution cooled thermal camera, a day camera, and a laser rangefinder, providing superior situational awareness. With real-time threat detection and analysis features, EON-S empowers users to monitor and respond to their environment with precision and confidence.

- Remote Control Weapon Stations
- Manned/Unmanned Platforms
- Reconnaissance & Surveillance
- Detect & Track Threats
- Integration to Variety of Systems



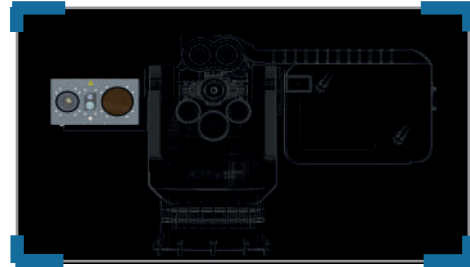
EON-S

ELECTROOPTICAL SIGHT



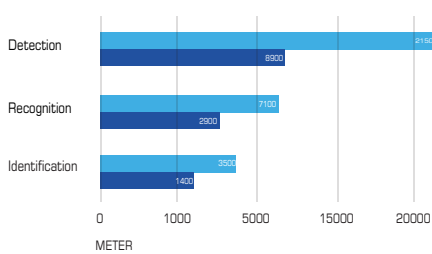
Technical Specifications

Thermal Channel		Laser Range Finder (Visibility 25km open weather, target reflectivity 30%, possibility 90%.)	
Detector	■ MCT (HgCdTe) - Cooled	Type	■ Class 1 - eye Safe
Resolution	■ 640x512	Wave Length	■ 1.5 μ m
Pixel Pitch	■ 15 μ m	Range	■ 32000 m
F No	■ F4	Accuracy	■ 0.01 - 0.5 m
Frame Rate	■ 1-50 Hz	NATO Vehicle	■ 12.000 m
Wave Length	■ 3.7° ~ 4.8 μ m	Electro Magnetic Compatibility	
Cooling Time	■ \leq 8 min. @25°C		■ CE102-CS101-CS116-RS103
Focal Length	■ 15-300 mm Continuous Zoom		■ MIL-STD4-61F,MIL-STD-1275E MIL-STD-1310H
FOV (HFOV-VFOV)	■ 35.48°x28.71° ~1.83°x1.47°	Environmental	
Electronic Zoom	■ 1.0~4.0X (Continuous Zoom - Step Size: 0.1)	Operational Temp.	■ -32°C ~ +55°C
Optical Zoom	■ 20X	Storage Temp.	■ -40°C ~ +70°C
Video Out	■ Ethernet	Physical	
Communication	■ Ethernet	Size	■ 159mm x 318mm x 296mm
Day Channel		Weight	■ 14 kg
Detector	■ 1/2" Progressive Scan CMOS		
Resolution	■ 2.13 M Pixel		
Lens	■ 6~ 210 mm		
FOV (HFOV-VFOV)	■ 61.9° ~1.9° ~ 37.2° ~1.1°		
Min. Focus	■ <1.5 m		
Electronic Zoom	■ 16X		
Optical Zoom	■ 35X		
Zoom Speed	■ 4.5s		
Noise Reduction	■ YES		



All values are subject to \pm %10 production tolerance.

THERMAL CHANNEL

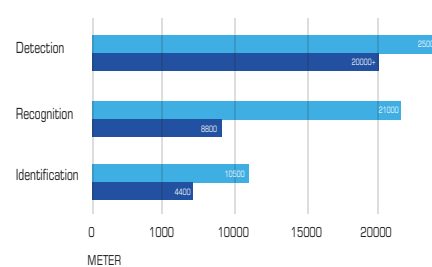


VEHICLE
Stanag 4347
Thermal Contrast : 2°C
 σ : 0.2 /Km
Probability : 50%



HUMAN
Stanag 4347
Thermal Contrast : 5°C
 σ : 0.2 /Km
Probability : 50%

DAY CHANNEL



VEHICLE
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%



HUMAN
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%

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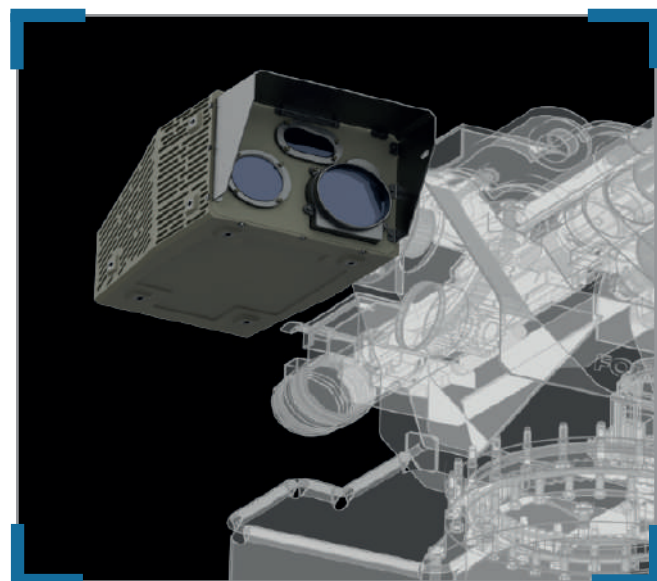
KESKIN-A

EO/IR SENSOR UNIT



KESKIN-A is an advanced electro-optical sensor system designed for integration with remote-controlled weapon stations. It features a high-resolution cooled thermal camera, a day camera, and a laser rangefinder. In addition to its primary function as a gunner sight system, KESKIN-A can also serve as a key component in Intelligence, Surveillance, and Reconnaissance (ISR) operations, making it ideal for applications in border and coastal security.

- Remote Control Weapon Stations
- Manned/Unmanned Platforms
- Reconnaissance & Surveillance
- Detect & Track Threats
- Integration to Variety of Systems



KESKIN-A

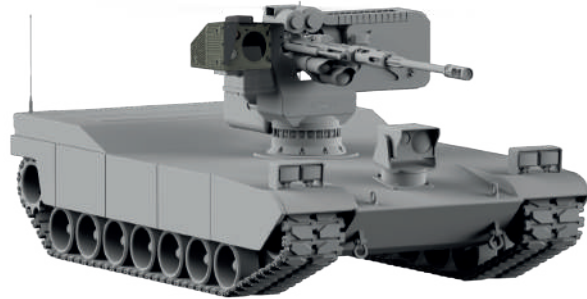
EO/IR SENSOR UNIT



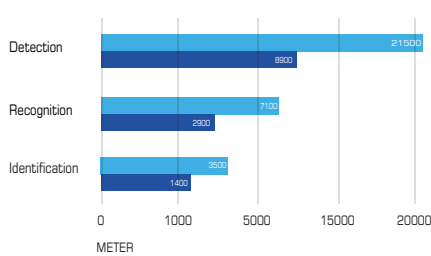
Technical Specifications

Thermal Channel		Laser Range Finder (Visibility 25km open weather, target reflectivity 30%, possibility 90%)	
Detector	■ MCT (HgCdTe) - Cooled	Type	■ Class 1 - eye Safe
Resolution	■ 640x512	Wave Length	■ 1.5 μ m
Pixel Pitch	■ 15 μ m	Range	■ 32000 m
F No	■ F4	Accuracy	■ 0.01 - 0.5 m
Frame Rate	■ 1-50 Hz	NATO Vehicle	■ 12.000 m
Wave Length	■ 3.7 ~ 4.8 μ m	Electro Magnetic Compatibility	
Cooling Time	■ \leq 8 min. @25°C		■ CE102-CS101-CS116-RS103
Focal Length	■ 15-300 mm Continuous Zoom		■ MIL-STD4-61F,MIL-STD-1275E MIL-STD-1310H
FOV (HFOV x VFOV)	■ 35.5° x 28.7° ~1.8° x 1.5°	Environmental	
Electronic Zoom	■ 8.0X	Operational Temp.	■ -32°C ~ +55°C
Optical Zoom	■ 20X	Storage Temp.	■ -40°C ~ +70°C
Video Out	■ Ethernet	Physical	
Communication	■ Ethernet	Size	■ 325mm x 258mm x 208mm
Day Channel		Weight	■ 11 kg
Detector	■ 1/2" Progressive Scan CMOS		
Resolution	■ 2.1 M Pixel		
S/N Ratio	■ 50dB		
FOV (HFOV x VFOV)	■ 61.9° x 37.2° ~ 1.9° x 1.1°		
Optical Zoom	■ 35X		
Electronic Zoom	■ 16X		
Focal Length	■ 6-210 mm Continuous Zoom		

All values are subject to \pm %10 production tolerance.



THERMAL CHANNEL

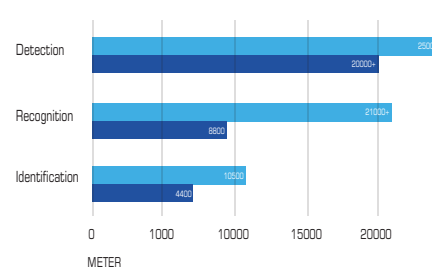


VEHICLE
Stanag 4347
Thermal Contrast : 2°C
 σ : 0.2 /Km
Probability : 50%



HUMAN
Stanag 4347
Thermal Contrast : 5°C
 σ : 0.2 /Km
Probability : 50%

DAY CHANNEL



VEHICLE
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%



HUMAN
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%

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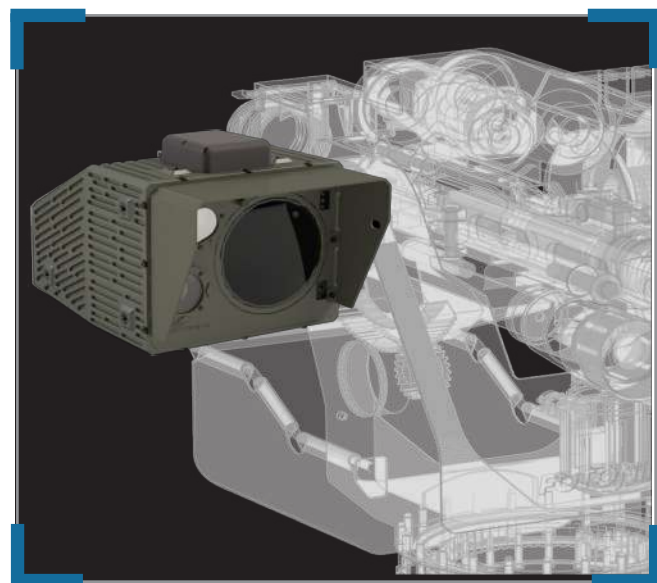
KESKIN-B

EO/IR SENSOR UNIT



KESKIN-B is an advanced electro-optical sensor system designed for integration with remote-controlled weapon stations. It features a high-resolution uncooled thermal camera, a day camera, and a laser rangefinder. In addition to its primary function as a gunner sight system, KESKIN-B can also serve as a key component in Intelligence, Surveillance, and Reconnaissance (ISR) operations, making it ideal for applications in border and coastal security.

- Remote Control Weapon Stations
- Manned/Unmanned Platforms
- Reconnaissance & Surveillance
- Detect & Track Threats
- Integration to Variety of Systems



KESKIN-B

EO/IR SENSOR UNIT



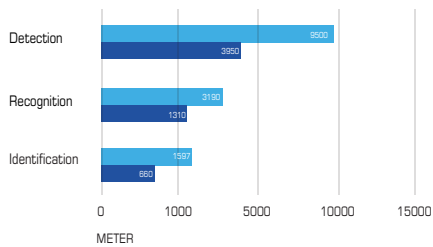
Technical Specifications

Thermal Channel		Laser Range Finder (Visibility 25km open weather, target reflectivity 30%, possibility 90%)	
Detector	■ VOx FPA - Uncooled	Type	■ Class 1 - eye Safe
Resolution	■ 640x512	Wave Length	■ 1.5 μm
Pixel Pitch	■ 12 μm	Range	■ 12000 m
Frame Rate	■ 50 Hz	Accuracy	■ 0.01 - 0.5 m
Wave Length	■ 8 ~ 14 μm	NATO Vehicle	■ 4000 m
Focal Length	■ 20-100 mm Continuous Zoom	Electro Magnetic Compatibility	
FOV (HFOVxVFOV)	■ 21.7° ~ 17.5° x 4.4° ~ 3.5°	■ CE102-CS101-CS116-RS103	
Electronic Zoom	■ 8.0X	■ MIL-STD4-61F,MIL-STD-1275E MIL-STD-1310H	
Optical Zoom	■ 5X	Environmental	
Video Out	■ Ethernet	Operational Temp. ■ -32°C ~ +55°C	
Communication	■ Ethernet	Storage Temp. ■ -40°C ~ +70°C	
Day Channel		Physical	
Detector	■ 1/2.8" CMOS	Size	■ 274mm x 190mm x 143.5mm
Resolution	■ 2.1 M Pixel	Weight	■ 11 kg
FOV (HFOVxVFOV)	■ 61.9° ~ 1.9° ~ 37.2° ~ 1.1°		
Optical Zoom	■ 35X		
Electronic Zoom	■ 16X		
Focal Length	■ 6-210 mm Continuous Zoom		

All values are subject to ± %10 production tolerance.



THERMAL CHANNEL

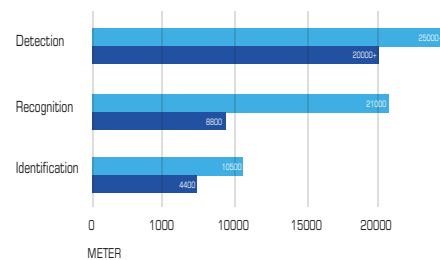


VEHICLE
Stanag 4347
Thermal Contrast : 2°C
σ : 0.2 /Km
Probability : 50%



HUMAN
Stanag 4347
Thermal Contrast : 5°C
σ : 0.2 /Km
Probability : 50%

DAY CHANNEL



VEHICLE
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%



HUMAN
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%

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OGUS-A

OPTRONIC GUNNER SIGHT



OGUS-A is an advanced, new generation electro-optical sensor and sight system, featuring a low-profile design. It integrates a high-resolution cooled thermal camera, a day camera, and a laser rangefinder, providing superior situational awareness. With real-time threat detection and analysis capabilities, OGUS-A empowers users to monitor and respond to their environment with precision and confidence.

- Remote Control Weapon Stations
- Manned/Unmanned Land & Sea Platforms
- Reconnaissance & Surveillance
- Detect & Track Threats
- Integration to Variety of Systems



OGUS-A

OPTRONIC GUNNER SIGHT



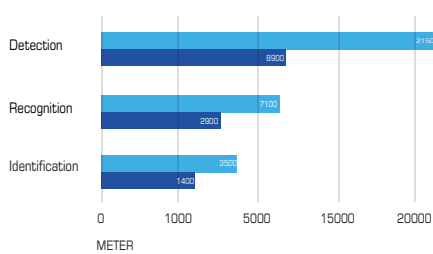
Technical Specifications

Thermal Channel		Laser Range Finder (Visibility 25km open weather, target reflectivity 30%, possibility 90%)	
Detector	■ MCT (HgCdTe) - Cooled	Type	■ Class 1 - Eye Safe
Resolution	■ 640x512	Wave Length	■ 1.5 μ m
Pixel Pitch	■ 15 μ m	Range	■ 32000 m
F No	■ F4	Accuracy	■ 0.01 - 0.5 m
Frame Rate	■ 1-50 Hz	NATO Vehicle	■ 12.000 m
Wave Length	■ 3.7° ~ 4.8 μ m	Electro Magnetic Compatibility	
Cooling Time	■ \leq 8 min. @25°C		■ CE102-CS101-CS116-RS103
Focal Length	■ 15-300 mm Continuous Zoom		■ MIL-STD4-61F,MIL-STD-1275E MIL-STD-1310H
FOV (HFOVxVFOV)	■ 35.48°x28.7° ~1.8°x1.5°	Environmental	
Electronic Zoom	■ 1.0~4.0X (Continuous Zoom - Step Size: 0.1)	Operational Temp.	■ -32°C ~ +55°C
Optical Zoom	■ 20X	Storage Temp.	■ -40°C ~ +70°C
Video Out	■ Ethernet	Physical	
Communication	■ Ethernet	Size	■ 159mm x 318mm x 296mm
Day Channel		Weight	■ 14 kg
Detector	■ 1/2" Progressive Scan CMOS		
Resolution	■ 2.13 M Pixel		
Lens	■ 6~ 210 mm		
FOV (HFOV-VFOV)	■ 61.9° ~1.9° ~ 37.2° ~1.1°		
Min. Focus	■ <1.5 m		
Electronic Zoom	■ 16X		
Optical Zoom	■ 35X		
Zoom Speed	■ 4.5s		
Noise Reduction	■ YES		

All values are subject to \pm %10 production tolerance.



THERMAL CHANNEL

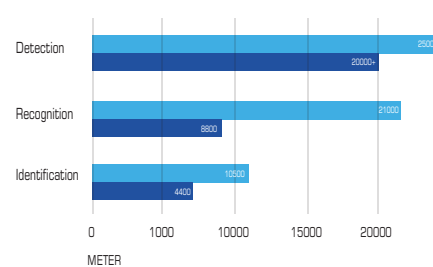


VEHICLE
Stanag 4347
Thermal Contrast : 2°C
 σ : 0.2 /Km
Probability : 50%



HUMAN
Stanag 4347
Thermal Contrast : 5°C
 σ : 0.2 /Km
Probability : 50%

DAY CHANNEL



VEHICLE
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%



HUMAN
MRC Measurement
Std. Contrast : 30%
Illumination : >100lx
Probability : 50%

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