



ASISGUARD



ASISGUARD

About Us

ASISGUARD has high-end engineering capabilities through which the company has developed national and domestic critical solutions, some of which are the first in our country, with Electro-Optical Sight and Border Security Systems, Military Vehicle Electronics Systems, Rotary Wing Armed/ Unarmed Drone Systems, Screen System solutions. All systems of ASISGUARD™ such as original hardware design, embedded software design, system engineering are performed by experts in their respective fields and delivered to the end user.

ASISGUARD, with the expertise to design and revise projects and solutions according to customer demands, and to keep the technologies and products it has developed up-to-date; the company has developed a cutting-edge specialization to design image stabilization, moving object tracking, object recognition and classification algorithms by using artificial intelligence and big data technologies.

ASISGUARD, Offering many domestic and national products in the field of defense to Türkiye, NATO and allied countries; constantly considers the needs and satisfaction of internal and external stakeholders, aims to develop its technological and engineering competence and to direct the technologies of the future.

Mission

To contribute to the strengthening of the Turkish Defense Industry with innovative technology and military solutions, to share the developed products and systems with allied countries.

Vision

To become a leading global brand by creating local and global solutions with high value-added critical technologies.

Our untiring soldiers and law-enforcement forces who put their lives at risk without a second thought have the utmost importance for us. Therefore, we take on the mantle of guardian angel for our army and law enforcement agencies via our domestically and nationally developed technology.

*Sınırların Ötesinde Teknoloji
Technology Beyond Borders*

AGGÖZ

ELECTRO-OPTICAL SIGHT SYSTEMS



AGGÖZ
SAVS | SITUATIONAL AWARENESS
VISION SYSTEMS



AGGÖZ
DSU | DRIVER SIGHT UNIT



AGGÖZ
TWS-8 | THERMAL WEAPON SIGHT



AGGÖZ
VTS | VISUAL TARGETING SYSTEM



AGGÖZ
LDSU | LONG DISTANCE SIGHT UNIT



AGGÖZ
DVU | DRIVER VISION UNIT



AGGÖZ
TWS-50 | THERMAL WEAPON SIGHT



AGGÖZ
GIMBAL 275



AGGÖZ
CLDSU | COOLED LONG DISTANCE SIGHT UNIT



AGGÖZ
TED | THERMAL BINOCULARS



AGGÖZ
UMV/NCU | UNMANNED MARINE VESSEL /
NAVIGATION CAMERA UNIT



AGGÖZ
GIMBAL 275 HELI



AGGÖZ OPERATIONAL CONCEPTS

Strategic Surveillance

Ongoing monitoring and assessment of critical regions are essential. Ensure persistent strategic oversight of primary areas to track adversarial actions and implement preemptive defense strategies.

Coordinated Attacks

Enhances the coordination and efficacy of military operations by accurately identifying and tracking targets. This system offers persistent surveillance capability during daylight, allowing for the early identification of potential threats and supporting synchronized offensive actions.

Operational Flexibility

It adjusts to diverse operational settings and situations through adaptable technology integration and configuration. Enhances operational adaptability by interfacing with command and control systems for real-time information exchange and target coordination.

Reconnaissance

Perform comprehensive reconnaissance missions to collect intelligence on adversary activities and support informed decision-making. Delivers essential insights for strategic command decisions, thereby enhancing the effectiveness of operational planning and execution.

Target Identification

Ensures precise and prompt identification of adversary components to enable accurate targeting and operational decision-making. Offers enhanced clarity and resolution in low-light or obscured visibility conditions, ensuring dependable target identification even under adverse weather circumstances.



Scenario: Ground Defence Operation

Time: Night

Location: Border area, rough terrain

Unit Commander: Land Forces Commander

Reconnaissance Officer: Intelligence and Reconnaissance Officer

Technical Expert: Operator of long-range vision systems

Scenario Description

The Unit Commander, stationed at a military installation in the border region, evaluates the status of the troops on night patrol upon receiving an intelligence report. The report indicates that enemy forces across the border might be mobilizing.

Reconnaissance Mission

The Unit Commander designates the Reconnaissance Officer to oversee a reconnaissance team, which is equipped with the Long Range Vision System, to confirm enemy activity.

Target Identification

The reconnaissance team navigates challenging terrain employing the Long Range Vision System to detect heat signatures of enemy positions. The Technical Specialist analyzes and documents enemy positions through thermal imagery acquired from the system.

Surveillance and Monitoring

The reconnaissance team maintains ongoing observation and surveillance of identified enemy positions with the Long Range Vision System to track enemy force movements during daylight, thereby enhancing operational visibility.

Decision

The unit commander evaluates the intelligence on enemy movements and makes operational decisions. He directs the preparation of air support and, if required, coordinates the deployment of artillery units.

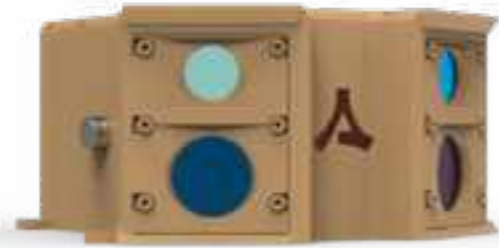
Conclusion

Under the Troop Commander's leadership, the ground forces effectively track and detect enemy movements using the capabilities of Long Range Vision Systems, thereby securing the border. This situation illustrates the role of technology in military operations and its adaptability to contemporary battlefield environments. It highlights how Long Range Vision Systems contribute significantly to land defense operations, enhancing situational awareness and operational efficiency in military settings.



The AGGÖZ Environmental Vision System (SAVS) is engineered for land vehicles to deliver comprehensive 360-degree situational awareness for the crew in all weather conditions, both day and night. Based on user requirements, digital images captured from various configurations of thermal, day vision, and near-infrared (NIR) cameras are transmitted to the user interface via the system's image processing unit. Additionally, an alternative solution includes a laser-illuminated day vision camera or NIR camera.

According to user requirements and mission conditions, the system offers the option of 360-degree imaging through the use of single, dual, or triple camera modules surrounding the vehicle. The system integrates images from these camera modules to deliver comprehensive peripheral vision and enhance security.



GENERAL FEATURES

- System can be configured with any combination of thermal camera, Day camera, NIR camera and laser illuminator according to customers requirements
- Combined images from different combinations of single, double and triple camera blocks
- Standard 60-degree – Customized images with optional different FOVs
- Video transfer capability via analog and Ethernet interfaces
- Simultaneously multiple video transfer
- Adaptable with modular systems
- Fusion view with Day TV camera and thermal camera
- Artificial intelligence applications
 - Object classification and recognition
 - Moving object tracking
- Video recording and playback capability
- Real time image processing capability
- Multiple images transfer capability to the monitor
- Panoramic image generation capability
- Video compression capability
- Integration capability with other imaging systems of the vehicle platform



AGGÖZ SAVS has capabilities to increase awareness, support driver sight, detect threats and warn the driver with the help of innovative artificial intelligence and image processing capabilities.

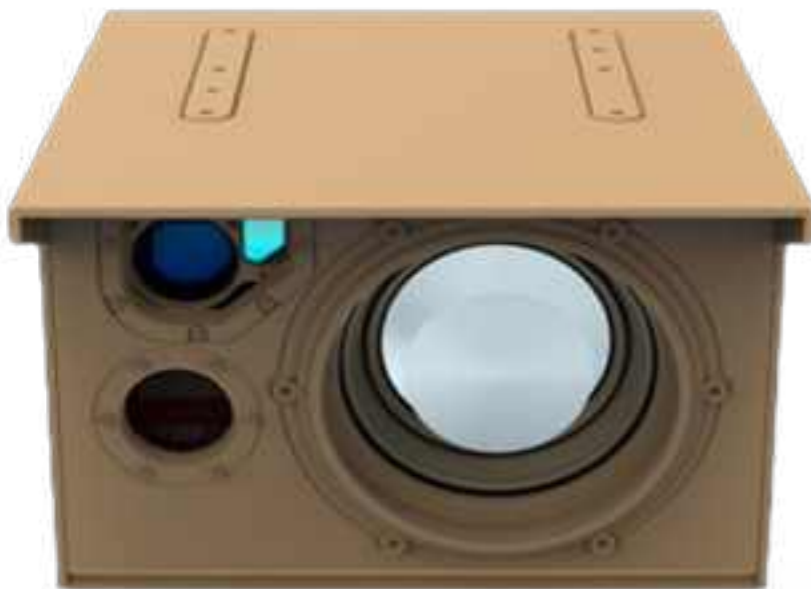
AGGÖZ LONG DISTANCE SIGHT UNIT

AGGÖZ Long Distance Sight Unit (LDSU) is designed to meet tactical field requirements in all weather conditions as well as day and night operational capability.

This system, thanks to the optical design with continuous zoom and high sensitivity to temperature difference, provides solutions aimed at identification and real-time tracking capability to military surveillance concept of operations.

AGGÖZ LDSU, which incorporates Uncooled IR camera operating at Infrared Band and Full HD day camera, provides a complete system by integrating additional features such as object detection and classification, moving target tracking and symbology.

The system is designed to withstand harsh environmental conditions and can be controlled by operator or user computer.



AREA OF USE

- Border surveillance
- Long range surveillance
- Reconnaissance

GENERAL FEATURES

Accessories

Optical Cleaning Kit

Carry Case

TECHNICAL SPECIFICATIONS

Thermal Camera

Type: Uncooled LWIR

Resolution (H x W): 640 x 512

Pixel Pitch: 17 µm

Detector Wavelength: 8 – 14 µm

NETD: < 35 mK (@F#=1.0)

Focus Length: 30 mm-150 mm

Horizontal Field of View (Wide/Narrow):
20.6° x 16.5° / 4.1° (±10%)

Focus: Automatic

Color Daylight Camera

Resolution: 1920 x 1080

Focus Length(mm): 5.5-180 (±%10)
Continuous Zoom

Field of view (Wide / Narrow): 60.5°(±%10) /
2.3° (±%10)

Focus: Automatic / Manuel

Laser Range Finder

Wavelength: 1.5 µm

Measurement Sensitivity: ±0.5 m

Range (m): 3 – 12000 m

Interface

Power Interface: 20-33 VDC

Video Output: Ethernet, HD-SDI

Communication Interface: RS422, Ethernet

System Specifications

Operation Temperature: -32 C°, +55 C°

Storage Temperature: -40 C°, +60 C°

Enviromental Conditions: MIL-STD-810
Compatible

Voltage Protection: MIL-STD-1275E
Compatible

Ingress protection: IP67



CLDSU | COOLED LONG DISTANCE SIGHT UNIT

COOLED LONG DISTANCE SIGHT UNIT

AGGÖZ Cooled Long Distance Sight Unit (CLDSU) is designed to meet tactical field requirements in all weather conditions as well as day and night operational capability.

This system, thanks to the optical design with continuous zoom and high sensitivity to temperature difference, provides solutions aimed at identification and real-time tracking capability to military surveillance concept of operations.

AGGOZ CLDSU, which incorporates Cooled IR camera operating at Infrared Band and Full HD day camera, provides a complete system by integrating additional features such as object detection and classification, moving target tracking and symbology.

The system is designed to withstand harsh environmental conditions and can be controlled by operator or user computer.



AREAS OF USE

- Border surveillance
- Long range surveillance
- Military and civilian vehicles
- Reconnaissance



GENERAL FEATURES

Accessories

- Optical Cleaning Kit
- Carry Case

TECHNICAL SPECIFICATIONS

Thermal Camera

- Type: Cooled MWIR
- Resolution (H x W): 640 x 512
- Pixel Pitch: 15 µm
- Detector Wavelength: 3-5 µm
- NETD/Sensitivity: ≤25 mK

System Specifications

- Operation Temperature: -32°C, +55°C
- Storage Temperature: -40°C, +60°C
- Environmental Conditions: MIL-STD-810H Compatible
- Voltage Protection: MIL-STD-1275E Compatible

Laser Range Finder

- Wavelength: 1.5 µm
- Measurement Sensitivity: ±0.5m
- Range (m): 3-32000m

Color Daylight Camera

- Resolution: 1920 x 1080
- Focus Length: 5.5-180 (±%10)
- Continuous Zoom
- Zoom Speed: ≤5 sec
- Focus: Automatic / Manuel
- Field of view (Wide/Narrow): 60.5°(±%10)/ 2.3° (±%10)

Interface

- Power Interface: 20-33VDC
- Video Output: Ethernet, HD-SDI
- Communication Interface: RS422, Ethernet

DAY TIME TV IMAGE



THERMAL CAMERA IMAGE AT NIGHT



DRIVER SIGHT UNITS

AGGÖZ Driver Sight Units (DSU) is designed for military vehicle platforms and provides safe driving support to the driver by detecting close obstacles in day and night conditions and increasing environmental awareness.

AGGÖZ DSU, which provides the driver front and rear sight capability in all weather conditions, transfers live camera stream to the driver's screen via digital interfaces with high performance Thermal or Thermal + Day Tv options.

AGGÖZ DSU provides a modular design with high resolution camera components and different lens configurations. Therefore, different design solutions can be offered according to the purpose of use.



AREAS OF USE

- Night imaging
- Military and civilian vehicles
- Security
- Reconnaissance



GENERAL FEATURES

Accessories

- Optical Cleaning Kit
- Carry Case

TECHNICAL SPECIFICATIONS

Thermal Camera

- Type: Uncooled LWIR
- Resolution: 640 x 512
- Pixel Pitch: 17 μm
- Detector Wavelength: 8-12 μm
- NETD/Sensitivity: $\leq 35 \text{ mK}$ (@F# = 1.0)
- Focus: Athermalized Fixed Focus
- Viewing Angle (Optional): 90° x 76° (H x V) ($\pm 10\%$)

Interface

- Power Interface: 5-12 VDC
- Video Output: CVBS
- Communication Interface: RS232/RS485

System Specifications

- Operating Temperature: 32°C, +55°C
- Storage Temperature: -40°C, +60°C
- Protection Level: IP67
- Environmental Conditions Standard: MIL-STD-810 Compatible

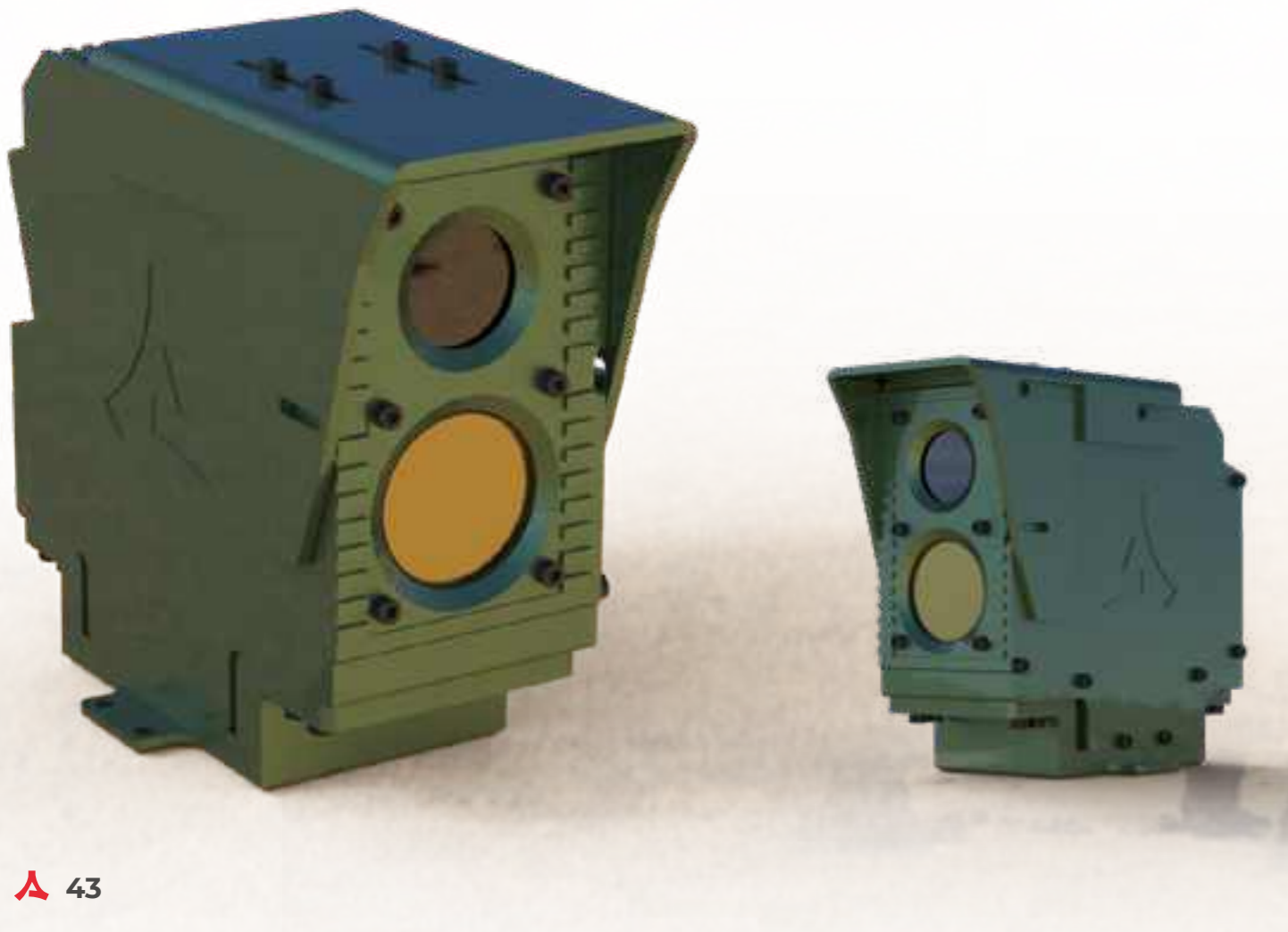
DRIVER VISION UNIT

The Driver Vision Unit offers enhanced and efficient visibility for both military and civilian vehicles through its combination of a day camera and thermal camera unit. It comes with accessories, including an optical cleaning kit for maintaining the thermal window, various mounting fixtures for angled surfaces, and a carrying case.

The thermal camera unit operates in the uncooled LWIR (8-12 μm) wavelength, while the daytime camera unit provides a resolution of 1920x1080. A 10.1-inch monitor with a resolution of 1024 x 600, supporting 4 channels, AHD, and CVBS inputs, is utilized to display the images to the user.

AREAS OF USE

- Military and civilian vehicles



GENERAL FEATURES

Accessories

Optical Cleaning Kit

Mounting Brackets for Angled Surfaces

Carry Case

Display Function

Screen Size: 10.1"

Resolution: 1024 x 600

Video Input Count: 4

Video Signal: AHD, CVBS

TECHNICAL SPECIFICATIONS

Thermal Camera

Type: Uncooled LWIR

Resolution (H x V): 640 x 512

Pixel Range: 17 μm

Detector Wavelength: 8-12 μm

NETD: $\leq 35\text{mK}$ (@F# = 1.0)

View Angle (Optional): 90° x 76° (H x V) ($\pm 10\%$)

Focusing: Fixed Focus

Coloured Daytime Camera

Resolution: 1920 x 1080

Focusing: Fixed Focus

View Angle (Optional) 90° x 59° (H x V) ($\pm 10\%$)

Interface

Monitor Power Interface: 20-33VDC

Camera Video Output: AHD, CVBS

System Features

Operating Temperature: -32°C, +55°C

Storage Temperature: -40°C, +60°C

Protection Level: IP67 (Except Monitor)

Environmental Conditions Standard: Compliant with MIL-STD-810

Voltage Protection: MIL-STD-1275E



THERMAL BINOCULARS

AGGÖZ TED Binoculars, which provide high quality vision from a distance in all weather conditions, day and night with its cooled type thermal detector, is designed to be an indispensable part of field operations with its high-sensitive location finding feature, light and compact design, and long usage time provided on a single charge.

- ▲ Medium wave infrared sensor
- ▲ Thermal continuous zoom capability
- ▲ Day continuous zoom capability
- ▲ Laser range finder
- ▲ Global navigation satellite (GNSS)



GENERAL FEATURES

Areas of Use

- Border Surveillance
- Long Distance Surveillance
- Coast Guard
- Reconnaissance
- Security

Environmental Conditions

- Operating Temperature: -30°C to +55°C
- Storage Temperature: -40°C to +60°C
- Environmental Conditions Standard: MIL-STD-810 G

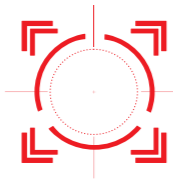
SYSTEM FEATURES

- Type: Cooled
- Resolution: 640 x 512
- Focus: Electrical Focus/Auto Focus
- Display: Binocular OLED, 1280 x 1024, Adjustable Diopter
- Polarity: Black Hot/White Hot
- Storage: Internal 32 GB
- Working Time: ≥5 Hours (At Normal Temperature)
- Protection Level: IP67
- Weight (Including Battery): ≤3.9 Kg



THERMAL WEAPON SIGHT

AGGOZ TWS-8 Thermal Weapon Sight, which has a clip-on feature, is light, resistant to harsh environmental conditions, can be easily attached to and removed from the weapon, can record photos and videos, can work for 5 hours or more with a single battery, has a high-resolution display screen, and has high shock resistance. It is designed to provide high-accuracy shooting capability to snipers at night.



With its Clip-on feature, AGGÖZ TSD provides thermal vision to day sights in night conditions.



Thermal Sight



Superior Performance



Lightweight And Compact Design



AGGÖZ TSD offers uninterrupted operation with rechargeable lithium-ion batteries.



GENERAL FEATURES

- Lightweight and compact design
- Clip-on feature
- Superior performance in harsh environmental conditions
- Video and photo recording feature
- 9 different palette options

Areas of Use

- Long Range Surveillance
- Reconnaissance
- Security Units

Environmental Conditions

- Operating Temperature: -40°C to +60°C
- Storage Temperature : -45°C to +65°C
- Environmental Standard: MIL-STD-810H

TECHNICAL SPECIFICATIONS

- 2 pieces 18650 Li-Ion Battery
- Working Time: <5 hours (with 2500mAh Battery)
<8 hours (with 3500mAh Battery)
- Operating Temperature: -40°C ~+60°C
- Storage Temperature : -45°C ~+65°C
- Weight: ≤710 g (excluding batteries)
- Dimensions: 251x70x91mm
- Protection Class: IP67
- Target Detection Distance: <2400 m feature

Thermal Imaging Performance

- Sensor Type: Uncooled Microbolometer
- Spectral Band: 8-12 μm
- Pixel Pitch : 12 μm
- Resolution : 640 x 480 px
- NETD: ≤ 25 mK
- Objective Lens: 50 mm F1.0
- Field of View (Horizontal x Vertical) 8.8°x6.6° (±10%)
- Frame Rate: 50 Hz

THERMAL WEAPON SIGHT

The Thermal Weapon Scope (TWS) is engineered for deployment on infantry and sniper rifles. Its compact, monocular design, combined with advanced sniper features such as a laser rangefinder and an uncooled thermal camera, enables effective use in nocturnal conditions.

AREAS OF USE

- Weapon mounted scope
- Security
- Discovery



GENERAL FEATURES

Accessories

- Lens and Ocular Protection Covers
- Optical Cleaning Kit
- Carry Case

Laser Range Finder

- Wavelength: 905 nm
- Measure Precision: ±2m
- Measurement Range (m): 10m – 600m

TECHNICAL SPECIFICATIONS

Thermal Camera

- Type: Uncooled LWIR
- Resolution (H x V): 640 x 512
- Pixel Range: 12 µm
- Detector Wavelength: 8-12µm
- NETD: <35mk (@25°C, F#=1.0)
- Focus Distance: 50 mm
- View Angle (Optional): 8.80° x 7.03° (±10%)
- Focusing: Manual
- Zoom: Manual
- Digital Zoom: x2, x4, x8

Interface

- Power Interface: 2 x 18650 Li-ion
- Video Output: CVBS, 1024 x 768 Monocular OLED

System Features

- External Power: 5VDC/2A
- Operating Temperature: -32°C, +55°C
- Storage Temperature: -40°C, +60°C
- Protection Level: IP67
- Environmental Conditions Standard: Compliant with MIL-STD-810
- Operating Time: >8 hours

UNMANNED MARINE VESSEL / NAVIGATION CAMERA UNIT

The Unmanned Maritime Vehicle and Navigation Camera Unit addresses the most demanding defense and security scenarios. It is a domestically developed Environmental Surveillance System designed for military marine vehicles. The system comprises three primary components: a 360° Imaging System, the UMV/NCU Image Processing Unit, and Virtual Vision Goggles Integration. It facilitates early detection of close-range asymmetric threats in irregular warfare situations, allowing for prompt countermeasures by remote operators or autonomous systems.



AREAS OF USE

- Environmental surveillance
- Security
- Reconnaissance
- Armed Forces and Security Units



GENERAL FEATURES

Accessories

Optical Cleaning Kit

Carry Case

TECHNICAL SPECIFICATIONS

Thermal Camera

Type: Non-cooled

Resolution (H x V): 640 x 512

Pixel Range: 17 µm

Detector Wavelength: LWIR (8-14 µm)

NETD: <50mK

Camera-1 View Angle (H): 60° ±10%

Camera-2 View Angle (H): 40° ±10%

Camera-3 View Angle (H): 60° ±10%

Focusing: Fixed Focus

Digital Zoom: x2

Coloured Daytime Camera

Resolution: 1920 x 1080

Camera-1 View Angle (H): 60° +10%

Camera-2 View Angle (H): 40° +10%

Camera-3 View Angle (H): 60° +10%

Focusing: Fixed Focus

Digital Zoom: x2

Interface

Power Interface: 20-32 VDC

Video Output: Ethernet

Communication Interface: Ethernet

System Features

Operating Temperature: -15°C, +55°C

Storage Temperature: -40°C to +70°C

Protection Level: IP67

Environmental Conditions Standard:
Compliant with MIL-STD-810

Voltage Protection: Compliant
MIL-STD-1275E

Frame Rate: 25 (+2) fps

VISUAL TARGETING SYSTEM

The Visual Targeting System (VTS) is an electro-optical apparatus incorporating Laser Rangefinder and Thermal Camera units. It is intended for target identification and distance measurement of detected targets during border surveillance, long-range observation, coast guard operations, and reconnaissance, applicable in both daytime and nighttime conditions.

AREAS OF USE

- Border surveillance
- Long distance surveillance
- Reconnaissance



GENERAL FEATURES

Accessories

- Lens and Ocular Protection Covers
- Optical Cleaning Kit
- Carry Case

Laser Range Finder

- Wavelength: 1.5µm
- Measure Accuracy: 0,1-1m
- Measurement Range (m): 3 – 12000m

TECHNICAL SPECIFICATIONS

Thermal Camera

- Type: Uncooled LWIR
- Resolution (H x V): 640 x 512
- Pixel Range: 17 µm
- Detector Wavelength: 8-14 µm
- NETD: <35 mk (@F#=1.0)
- Focus Distance: 30-150 mm
- View Angle (Wide/Narrow): 20.6° (±%10) / 4.1° (±%10)
- Focusing: Automatic

Interface

- Power Interface: 20-33VDC
- Video Output: Ethernet, 1920x1080 Binocular OLED
- Communication Interface: RS422

System Features

- Operating Temperature: -32°C, +55°C
- Storage Temperature: -40°C, +60°C
- Protection Level: IP67
- Environmental Conditions Standard: Compliant with MIL-STD-810
- Voltage Protection: Compliant with MIL-STD-1275E



AGGÖZ

GIMBAL 275

AGG-M-275-PRF

The gimbal system, installed on either a stationary or mobile platform, allows the operator or computer to aim the mounted payload at the intended target. It is engineered for the detection, identification, and tracking of targets and threats in both daylight and nighttime conditions through image enhancement technology.

The gimbal unit comprises the following components:

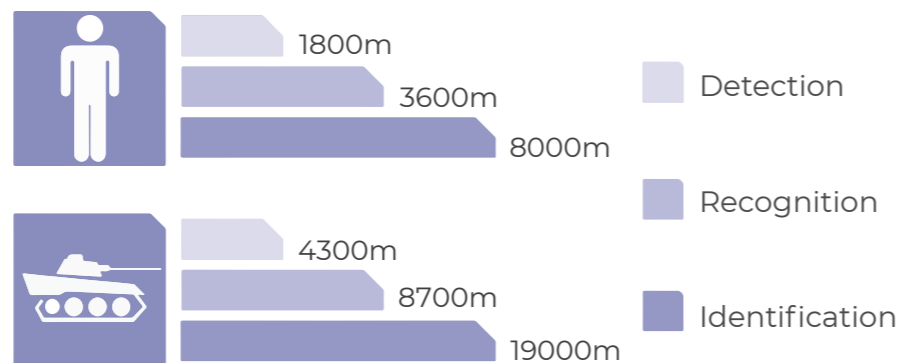
- A cooled thermal camera (MWIR) for enhanced night vision and performance in adverse weather conditions (such as fog and smoke).
- A high-resolution daytime camera for use during daylight conditions.
- A laser rangefinder to provide the user with coordinate and distance information of the identified target.

It is a stabilized system that offers two-axis movement in Pitch (horizontal) and Yaw (vertical) directions, and can adjust up/down and left/right based on the connection interface to meet specified requirements.



AREAS OF USE

- Manned/unmanned aerial vehicles
- Unmanned ground vehicles
- Armed/unarmed systems
- Target tracking
- Long distance surveillance



General Features

2 Axis Movement (Yaw, Pitch)
3 Axis Stabilisation

Yaw: 360° continuous

Pitch: -90°; +20°

Stabilisation Performance: < 90 uRad(rms)

Target Tracking: Yes (Single Target)

Command Interface Type: Ethernet

Operating Temp.: -20°C / +55°C

Video Output: Ethernet

Power Output: 18-32 VDC

Weight: <3.5 Kg

Carry Case

Daytime Camera Features

Detector Type: CMOS

Detector Format: 1920 x 1080

Optik Zoom: 30x

Viewing Angle Continuous Magnification;
Wide Fov (Horizontal): 27°(±%10)
Narrow Fov (Horizontal): 1.9°(±%10)

Thermal Camera Features

Detector Type: Cooled, (3-5 µm) MWIR

Detector Format: 640 x 512

Pixel Range: 15 µm

Viewing Angle Continuous Magnification;
Wide Fov (Horizontal): 61.2°(±%10)
Narrow Fov (Horizontal): 2.2°(±%10)

Optical Zoom: 13x

Electronic Zoom: 4x

Laser Illuminator

Output Power: Min. 30 mW

Wavelength: 800-860 nm

Lazer Range Finder

Wavelength: 1.5 µm

Type: Class III, Eye Safe

Sensitivity: <± 1m

Measuring Distance: 5000m (Nato Target)
10000m (Beam Filling Target)



AGGÖZ

GIMBAL 275 HELI

AGG-M-275-RF-HELI

The gimbal system, affixed to either a stationary or mobile platform, enables the operator or computer to aim the payload at specified targets. It is engineered to detect, identify, and track targets and threats in both daylight and nocturnal conditions, utilizing image enhancement technology.

The gimbal unit comprises the following components:

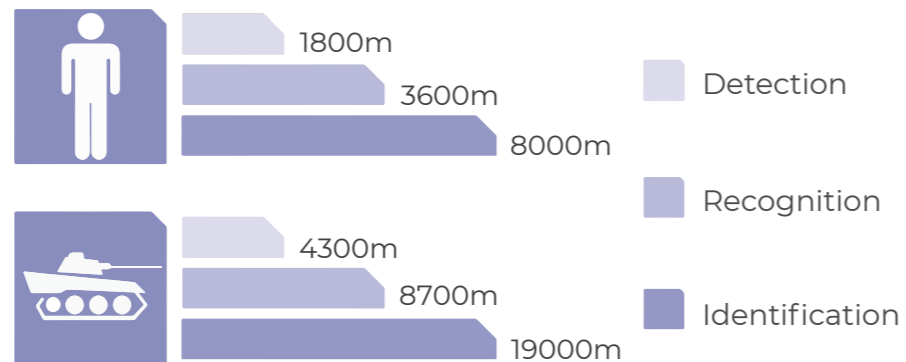
- A cooled thermal camera (MWIR) for enhanced night vision and operation in adverse weather conditions (such as fog and smoke).
- A high-resolution daytime camera for use in daylight conditions.
- A laser rangefinder to convey the coordinate and distance information of the identified target to the user.
- A damping component designed to mitigate vibrations.

It is a stabilized system that facilitates movement along two axes: Pitch (horizontal) and Yaw (vertical). It is capable of adjusting both vertically (up/down) and horizontally (left/right) in accordance with the connection interface and specified requirements.



AREAS OF USE

- Manned/unmanned aerial vehicles
- Unmanned ground vehicles
- Armed/unarmed systems
- Target tracking
- Long distance surveillance



General Features

2 Axis Movement (Yaw, Pitch)
3 Axis Stabilisation

Yaw: 360° continuous

Pitch: -90°; +20°

Stabilisation Performance: < 90 uRad(rms)

Target Tracking: Yes (Single Target)

Command Interface Type: Ethernet

Operating Temp.: -20°C / +55°C

Video Output: Ethernet

Power Output: 18-32 VDC

Weight: <7 Kg

Carry Case

Robust and Durable Design Suitable for Helicopter Environmental Conditions

Daytime Camera Features

Detector Type: CMOS

Detector Format: 1920 x 1080

Optical Zoom: 30x

Viewing Angle Continuous Magnification;
Wide Fov (Horizontal): 61.2°(±%10)
Narrow Fov (Horizontal): 2.2°(±%10)

Thermal Camera Features

Detector Type: Cooled, (3-5 μm) MWIR

Detector Format: 640 x 512

Pixel Range: 15 μm

Viewing Angle Continuous Magnification;
Wide Fov (Horizontal): 27°(±%10)
Narrow Fov (Horizontal): 1.9°(±%10)

Optical Zoom: 15x

Electronic Zoom: 4x

Laser Range Finder

Wavelength: 1.5 μm

Tip: Class III, Eye Safe

Sensitivity: <± 1m

Measuring Distance: 5000m (Nato Target)
10000m (Beam Filling Target)





Sınırların Ötesinde Teknoloji
Technology Beyond Borders

 **ASISGUARD**

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