



# 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

## 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:

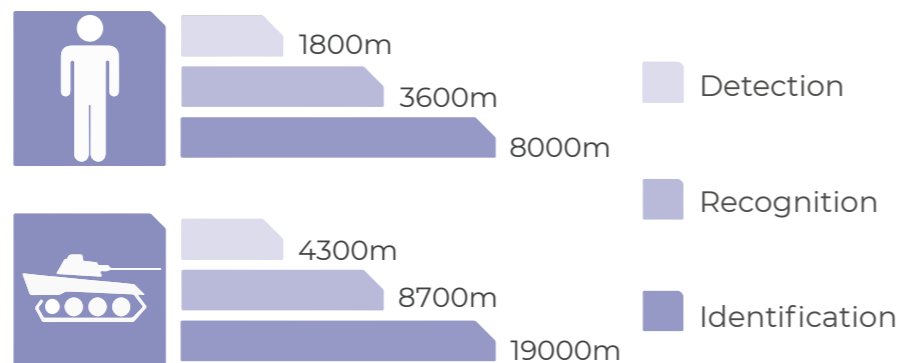
- A cooled thermal camera (MWIR) for enhanced night vision and performance in adverse weather conditions (such as fog and smoke).
- A high-resolution daytime camera for use during daylight conditions.
- A laser rangefinder to provide the user with coordinate and distance information of the identified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

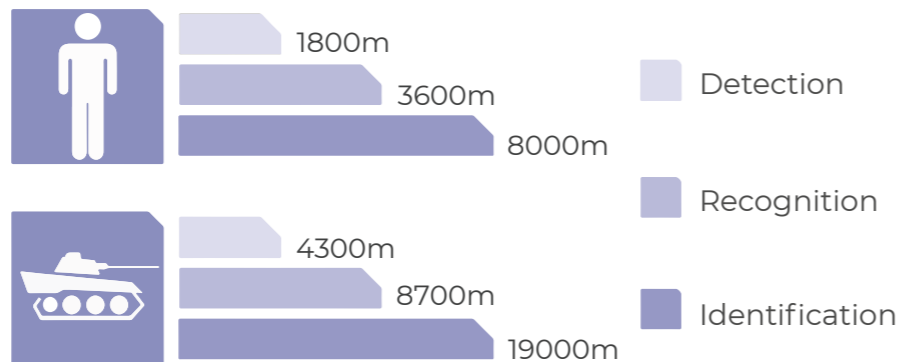
- A cooled thermal camera (MWIR) for enhanced night vision and operation in adverse weather conditions (such as fog and smoke).
- A high-resolution daytime camera for use in daylight conditions.
- A laser rangefinder to convey the coordinate and distance information of the identified target to the user.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





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*Technology Beyond Borders*



 **ASISGUARD**

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