



# ASISGUARD



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## 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

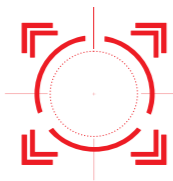
To become a leading global brand by creating local and global solutions with high value-added critical technologies.

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*

## 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

## 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

### Laser Range Finder

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

### 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



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 **ASISGUARD**

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