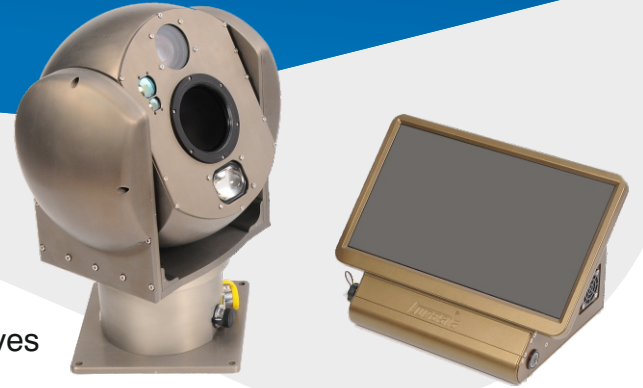


This system is operational for
high-speed boats and vehicles.



Observation And Tracking Systems

TURASIS produces the highest performance observation and tracking system in Turkey in its class. In maritime and land applications, GÖZLEM provides the highest technical performance with its advanced technology artificial intelligence algorithm developed in line with the objectives required by its class.



- ★ Two axis gimbal control
- ★ Thermal camera
- ★ 2.13 megapixel optical camera
- ★ Optical distance sensor
- ★ Direct drive motor technology
- ★ The fastest motion control
- ★ The lowest power consumption
- ★ High stability system
- ★ Completely unique Turkish engineering design



Optical Camera

Sensor

Image Sensor : 1/2" Sony Exmor CMOS
Effective Pixels : Approx. 2.13 Megapixel
Max.Resolution : 1945(H)x1225(V)

Lens

Focal Length : 6mm~210mm, 35x Optical zoom
Aperture : F1.5~F4.8
Close Focus Distance : 0.1m~1.5m (Wide~Tele)
Angle of View : 61°~2.0°

Video Network

Compression : H.265/H.264/H.264H/MJPEG
Network Protocol : Onvif, GB28181, HTTP, RTSP, RTP, TCP, UDP

Resolution : 50Hz: 25fps@2Mp(1920×1080)
60Hz: 30fps@2Mp(1920×1080)

S/N Ratio : ≥55dB (AGC Off, Weight On)

Minimum Illumination : Color: 0.001Lux/F1.5
B/W: 0.0001Lux/F1.5

EIS : Elect. Image Stab. (On/Off)

Exposure Compen. : On/Off

Strong Light Supp. : On/Off

Day/Night : Auto/Manual

Electronic Defog : Yes (On/Off)

Optical Defog : Night Mode, 750nm~1100nm

Zoom Speed : Approx 4.5s(Optical Wide-Tele)

White Balance : Auto/Manual/ATW

Electr. Shutter Speed : Auto shutter (1/3s~1/30000s)
Manual shutter (1/3s~1/30000s)

Exposure : Auto/Manual

2D-3D Noise Reduct. : Support

Focus Mode : Auto/Manual/Semi-automatic

Thermal Camera

Resolution : 50Hz: 25fps@(640x480)

Image Sensor : Uncooled Microbolometer
FPA(Amorphous silicon)

Pixel Size : 17µm

Spectral Range : 8~14 µm

Focal Length : 75 mm

F Value : 1.0

Compression : H.265/H.264/H.264H

Distance Sensor

Measurement : 5-1500m (to normal building)

Laser : Pulsar laser 905nm

Divergence : 5 mrd

Frequency : 1Hz

Measuring resolution : 0.5m

Measuring accuracy : 1m

Shock Resistance : up to 1000G

Mode : Normal ranging, Fog, Angle

PC Equipment

CPU : Intel Core i9-8950HK
12M Cache 6 Cores 12 Threads
Base frequency 2.90 Ghz
Turbo frequency 4.80 Ghz

Memory Size : 32GB

HDD : SSD 256GB

Processor Graphics : Intel® UHD Graphics 630
NVIDIA GeForce GTX 1650 4GB

System : Linux OS

Electrical Power

Power : 150W

PowerSupply Voltage : 24V DC

Operational Conditions

Op.Temperature : -20°C ~ +60°C %20-%80 RH

Storage Temperature : -40°C ~ +65°C %20-%95 RH

Gps : Yes (Ethernet connection)

Weight : 15 kg

Dimension : H: 400mm W: 320mm D:230mm

