



# EO SYSTEM

# EO System Advantage

## **Image tracking**

In the state of motion, the target object is always in the center of the field of view, and the mature professional image processing algorithm to greatly reduces the probability of target loss.

## **GEO tracking**

Be tracking based on the target geographic coordinates, regardless of occlusion or not, always ensures that the target is in tracking state, providing strong tracking capabilities.

## **Servo stabilization**

The high-precision servo system to eliminates image camera shake and ensures clear and stable images in any field of view

## **Imaging system**

Be providing the different sensors (CCD camera, Uncool Infrared and Cooled Infrared) upon request to meet imaging requirements under special conditions.

## **Target setting**

By performing laser ranging on the target, the target geographic coordinate information is calculated to provide geolocation capability.

## **Flexible configuration**

The structure is compact and providing a variety of system configuration to meet customers needs. .



**TEOS-LW55**

- **Special Design for Fixed wing UAV**
- **Uncooled IR with 25mm lens (Recognition range: 300m)**
- **CCD camera 1920x1080 (Recognition range: 500m)**
- **Laser Pointer**
- Servo System
- Two Axis Gyro-stabilized
- Auto tracking



**TEOS-LW65**

- **Special Design for multiple rotor-winged**
- **Option(1) IR camera (25mm) & CCD Camera 10x zoom**
- **Option(2) Uncooled IR with 25mm lens & LRF**
- **Option(3) CCD Camera 1920x1080 10x zoom & LRF**
- Servo system
- Two Axis Gyro-stabilized
- Auto Tracking



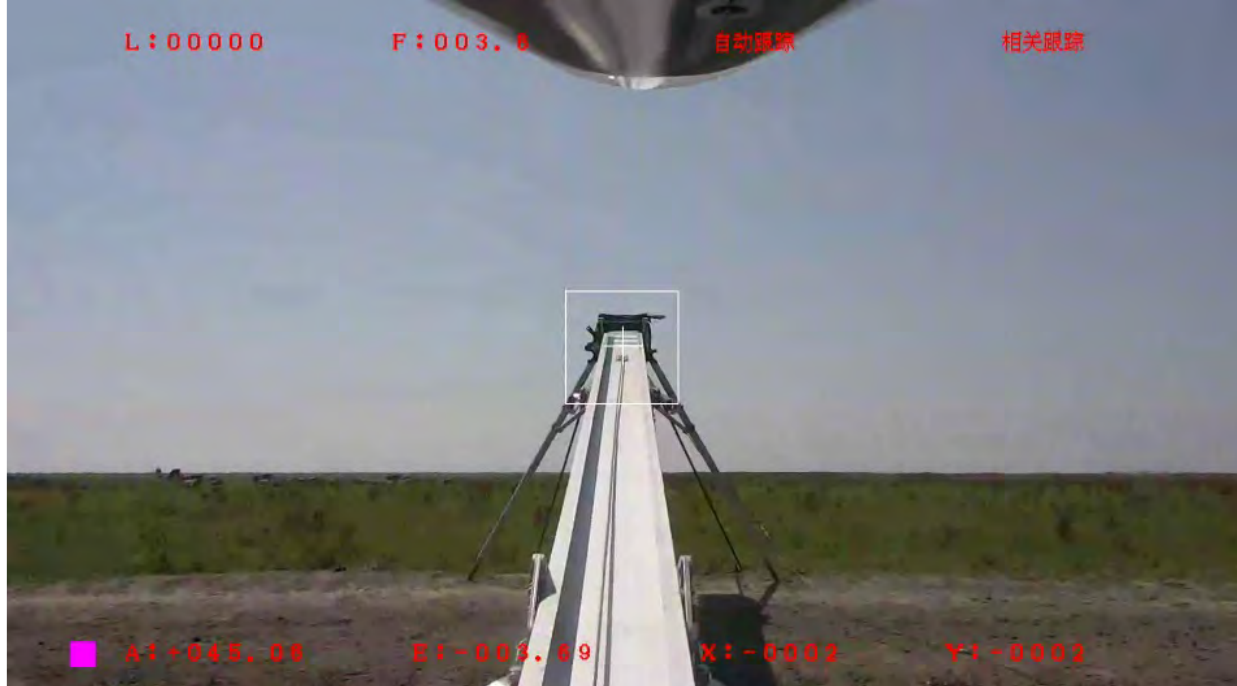
**TEOS-158HD**

- **Special Design for Fixed wing UAV**
- **IR Camera with 25/80mm/ 50mm (R500m-700m)**
- **CCD Camera 1920x1080 30x zoom (500m-1000m)**
- **LRF (1.55 nm,  $\geq 3$ km)**
- Two Axis Gyro-stabilized
- Auto tracking



**TEOS-188**

- **Special Design for Fixed wing UAV**
- **Uncooled Camera 640x512 with 25/80mm**
- **CCD Camera 1920x1080 30x zoom**
- **LRF (1.55nm , 4.5km)**
- Two Axis Gyro-stabilized
- Auto tracking





**TEOS-260**

- **Special Design for Fixed wing UAV**
- **640×512 Cooled camera with 15mm~280mm**
- **CCD camera (30x Zoom, 4.3~129mm/8~240mm)**
- **LRF (1550nm, ≥15km)**
- **Two Axis Gyro-stabilized**
- **Auto tracking**



**TEOS-640**

- **Special Design for Manned unmanned aerial vehicle**
- **640×512 Cooled camera with 15mm~280mm**
- **Full HD CCD Camera 1920x1080, 30x**
- **LRF (1550nm, ≥15km)**
- **IMU**
- **Two Axis Four Frame Gyro-stabilized**
- **Auto tracking**
- **GEO tracking**



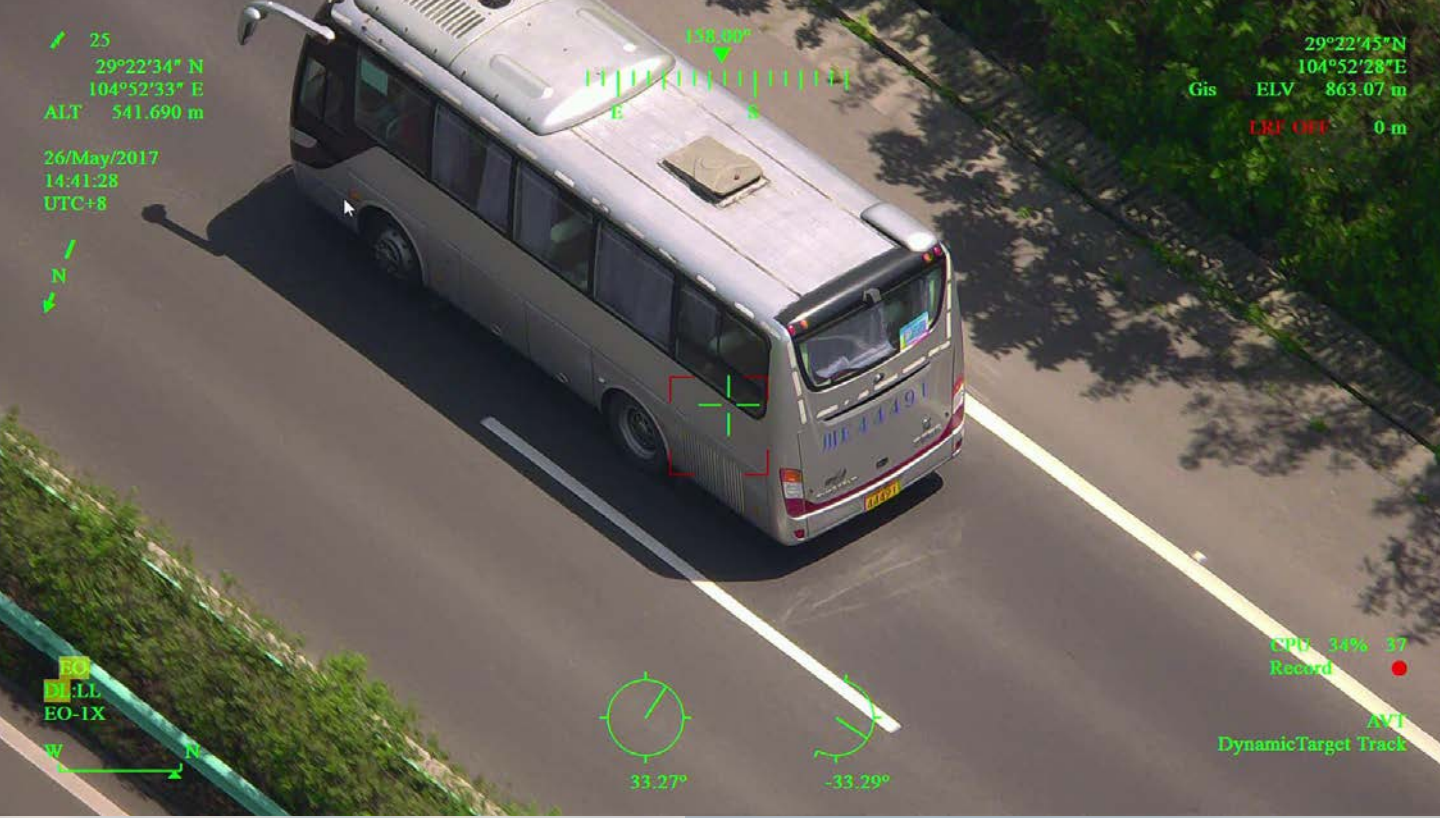
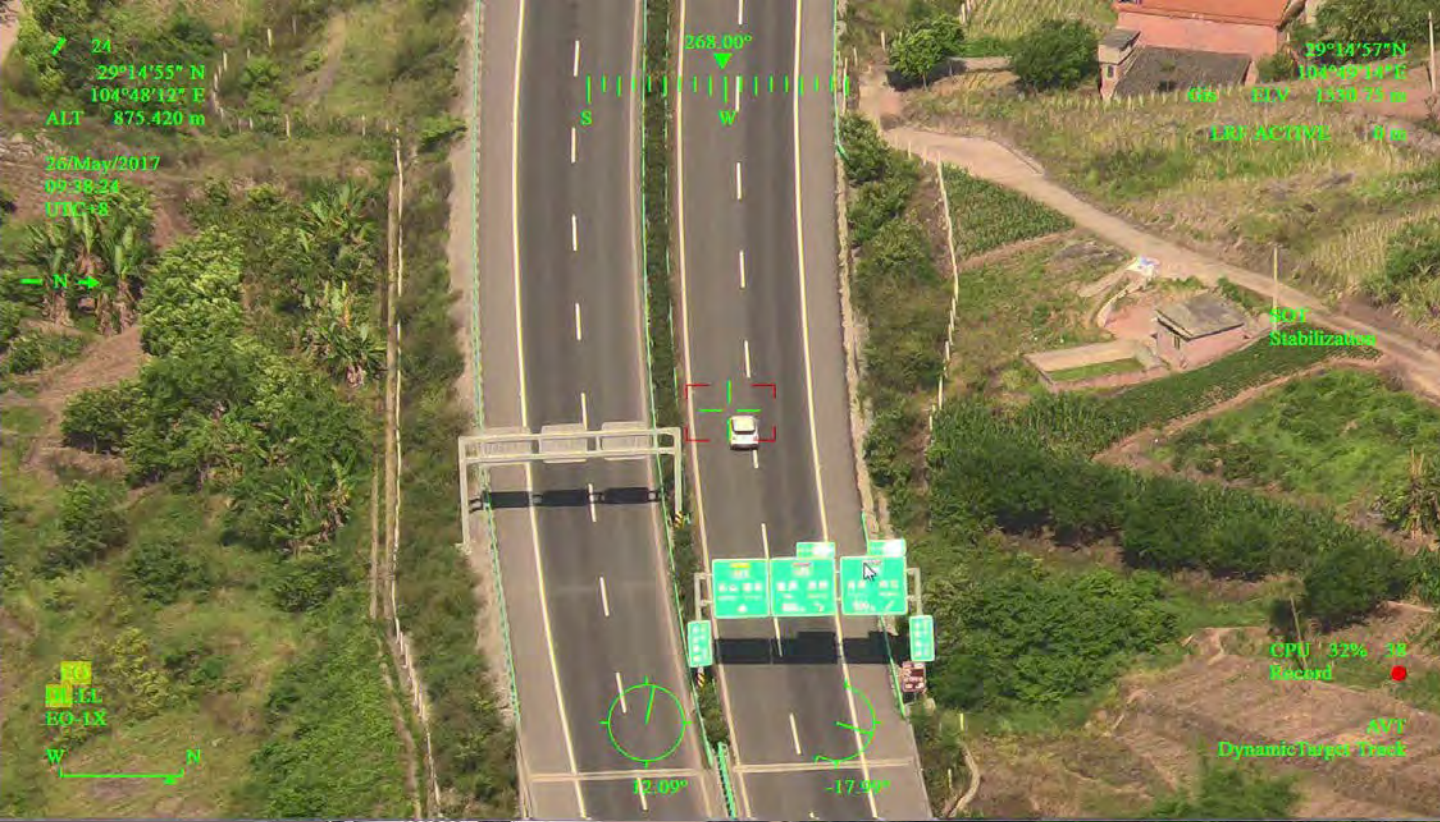
**TEOS-642**

- **Special Design for Fixed wing UAV**
- **640x512 Cooled camera (40mm~460mm)**
- **Full HD CCD camera (15mm~400mm)**
- **LRF (1550nm, ≥15km)**
- **High accuracy GPS**
- **Two Axis Four Frame Gyro-stabilized**
- **Auto tracking**











# Gyro-stabilized EO System



**TEOS-647**

- **Special Design for Fixed wing UAV**
- **640x512 Cooled camera (Recognition Range:10km)**
- **Full HD CCD camera (Recognition Range:1≥12km)**
- **0.5°FOV low LUX camera**
- **LRF**
- **High accuracy IMU**
- **Two Axis Four Frame Gyro-stabilized**
- **Auto tracking**





# Gyro-stabilized EO System



- **Cooled Camera (640x512/320x256)**
- **Full HD CCD camera**
- **LRF (1060nm,  $\geq 15\text{km}$ )**
- **Two Axis Gyro-stabilized**
- **Auto tracking**

**TEOS-647**

