

# MINI GIMBAL

MINI ELECTRO OPTICAL PAYLOAD

UNCOOLED LWIR THERMAL IMAGING SENSOR

12X ZOOM DAY TV CAMERA

COMPACT 2 AXIS STABILIZED PLATFORM

OPTIONAL LASER POINTER

RUGGED DESIGN





# MINI GIMBAL

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### Applications

- Small Size Rotary/Fixed Wing UAV's
- Perimeter Security

### Main Features

- Compact and Light-Weight System
- Single-LRU System
- Uncooled IR Camera
- Zoom TV Camera
- Laser Pointer (Optional)
- Advanced Image Processing
- 2-Axis Gyro-Stabilization
- Rugged Design
- Target Tracking

### Environmental Conditions

- Operating Temperature : -20°C/+50°C
- Storage Temperature : -30°C/+60°C

### Technical Specifications

- System type : Gyro-stabilized
- Gimbal size : 12 cm dia x 16 cm h
- Gimbal weight : < 1.4 kg (max.)

### Thermal Imaging Performance

- Sensor type : 640x480 Uncooled
- Wavelength : 8-12  $\mu$ m
- Optics : 35mm
- FOV( $\pm$ 10%) : 16.9°

### Daylight Imaging Performance

- Sensor type : CMOS
- Resolution : 720p
- Zoom : 12X
- Wide FOV : 37.6°
- Narrow FOV : 3.2°

### Laser Pointer

- Laser : 830nm – 850nm

### Gimbal Specifications

- Az Travel Range : 360° continuous
- El Travel Range : -30°/+75°

### Interface

- Video Output : Analog PAL, Ethernet
- Communication : RS422
- Power : 15W, 9-32 VDC