



# SHADO

## Superior Surveillance in a Lightweight Camera

7 Kg

Weight

15 Km

People Detection

> 500m

Face recognition

x 4096  
3000

Sensor Resolution

Day

Twilight

SHADO is a superior-performance surveillance camera system that can detect the presence of people from 15km, perform Face Recognition from over 500m, and detect and identify license plates. A day and twilight long-range camera, with top sensor range performance based on ultra-sensitive sensors and unique video enhancement technology, it is ideal for a wide variety of surveillance applications. The camera can be stationed on a tripod, positioned on a rooftop or deployed on an airborne platform.

### Features

Ultra-long range

Lightweight

Compact structure

Advanced image processing

Airborne or ground positions

Belly, nose or pole mounting

Superb low light capabilities

### Applications

Homeland security

Border patrol

Perimeter protection

Mass event monitoring and control

Law enforcement

Search and rescue

Force protection

Special operations

Anti-terrorist/smuggling surveillance

## Optics

**FOV:** Continues 21 – 1.9 Deg  
**IRIS:** Min F2.8  
**Digital zoom:** x10

## Mechanical

**Weight:** 7 Kg  
**Mounting options:** Belly, Pole  
**Environment:** IP65

## Gimbal

**Yaw/Azimuth:** N x 360 Deg  
**Pitch/Elevation:** +20 to -60 Deg  
**Speed:** Up to 120 deg/sec

## Sensor

**Resolution:** 4096x3000 pixels  
**Frame rate:** 30 FPS  
**Exposure speed range:** up to 10µs  
**Image:** color 12bit  
**Gain range:** up to 47 dB

## Electrical Interface

**Input power:** 18 – 36 VDC  
**Power consumption:** 180W  
continues, 330W for 500ms inrush

## Communications Interface

**Communication:** LAN Ethernet 1 Gbit  
**Protocol:** Sky Sapience binary protocol  
over UDP/TCP IP.

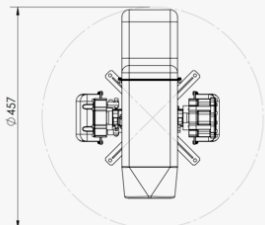
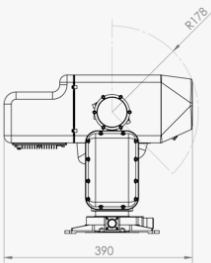
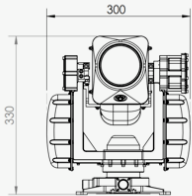
## Pole Mount



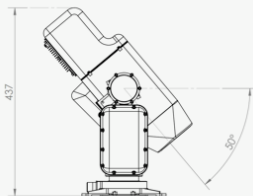
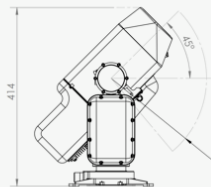
## Belly Mount



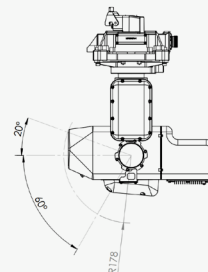
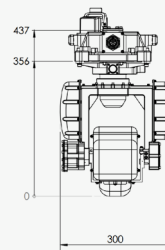
### Measurements (In mm)



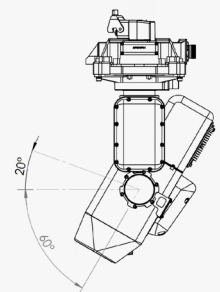
### Pitch/Elevation travel



### Measurements (In mm)



### Pitch/Elevation travel



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