SHADO
Superior Surveillance in a Lightweight Camera

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.

### Measurements

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<tr>
<th>Pole Mount</th>
<th>Belly Mount</th>
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<tr>
<td><strong>Pitch/Elevation travel</strong></td>
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<td>(In mm)</td>
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