Features
- Maximum exportability
- Improved environment performance
- Multiple choice of sensors incl. cooled IR
- Outstanding stability due to direct drive

Options
- Cooled and/or uncooled IR camera
- Geo-location and geo-positioning
- Fully integrated video tracker
- Laser range finder
Features

- Improved environment performance
- All electronics embedded within the unit
- Outstanding stability thanks to direct drive
- Complete 3 dimensional IMU mounted on the optical bench
- Worldwide delivery.

Options

- Cooled and/or uncooled IR camera
- Fully integrated video auto-tracker
- Geo-location and geo positioning
- Laser range finder

OTUS-U200 sets a new standard for miniature gyro-stabilised camera system. Besides the field proven high-bandwidth torque motors, the new OTUS-U200 gimbal offers an improved environment protection. The OTUS-U200 is the best choice for airborne, maritime and ground applications.

All electronics required for the advanced digital control fits within the unit shell. The user only has to connect external power, a video monitor and a joystick. A free-of-charge control program is always included together with the gimbal.

The three dimensional IMU and an optional laser range finder are mounted directly on the optical bench, allows for advanced features like geo-location and geo-positioning, provided an external heading source is connected to the gimbal. Also features like video tracker, video overlay and advanced video processing is fully integrated within the gimbal for optimal performance.

The OTUS-U200 gimbals are available in different sizes and configurations. The gimbals can be equipped with up to three sensors including daylight cameras, uncooled and cooled infrared imagers, laser pointers, laser range finders and laser illuminators.

Also features like recording, video encoding, multi-target tracking and detection are available in the market leading new gimbal.

Day and Night Imaging

High Definition and Long Range Capability
Technical Specification

Gimbal System
Two axis gyro stabilised fully integrated direct drive gimbal

Pan/Tilt Range
Infinite range if payload does not require extending snout (sliprings in both axes)

Slew Rate
Up to 180 °/sec maximum slew rate

Control Interface
1 x RS485 for user interaction and external heading/position source

Video Interface
1 x composite (PAL or NTSC) and / or 1 x component video (Full HD) or Ethernet

Power Requirements
18 -36 Vdc, 40 W (typical)

Environment Protection
up to IP56

Temperature
0 °C to +50°C operational, -20 °C to 85 °C storage, option: -40 °C to +50°C operational

Dimensions
205 mm diameter x 275 mm height

Accessories
Hand Control Unit, cable kits, heli-mounts, video recorder, video converters, etc.

<table>
<thead>
<tr>
<th>Spotter LWIR</th>
<th>High-Def LWIR</th>
<th>Spotter MWIR</th>
<th>High-Def MWIR</th>
<th>Spotter SWIR</th>
<th>High-Def SWIR</th>
<th>Detector MWIR</th>
<th>Detector SWIR</th>
<th>Description</th>
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<tbody>
<tr>
<td>3.6 kg</td>
<td>3.6 kg</td>
<td>4.2 kg</td>
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<td>EO: SONY FCB-EX7000, HFOV: 1.6-60.0°</td>
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<td>EO: SONY FCB-EV7700, HFOV: 2.3-63.7°</td>
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<td>IR: SAITIS-2-640 or FLIR TAU-2-640, zoom lens, HFOV: 5.9-25.3°, 7.5-13.5 μm</td>
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<td>IR: DRS Zafiro 640 Micro, HFOV 1.5-22.5°, 3-5 μm, cooled</td>
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<td>IR: Xenics Rufus-640 or Raptor OWL SWIR 640, HFOV: 7.3°, 0.9-1.7 μm</td>
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<td>Laser Range Finder 3300 m, +/- 0.75 m accuracy, eyesafe, wavelength 1550 nm, -LR3K3</td>
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<td>Geo-location / Geo-tracker, -GL / -GT</td>
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● Default Configuration
o Available as option
**DST CONTROL** is a supplier of lightweight, high performance gyro-stabilised electro-optical systems with both EO and IR capabilities. And also, small, light-weight long-wave thermal imagers.

DST CONTROL has released a number of advanced inhouse developed products. The OTUS gyro-stabilised electro-optical micro-gimbal is optimized for use in small & medium sized unmanned vehicles and small manned aircrafts. The SAITIS uncooled microbolometer LWIR camera (amorphous silicon, spectral band 8-14 μm) is one of the smallest LWIR available. Both the OTUS gimbals and the SAITIS thermal imagers have maximum exportability (non-ITAR).