

UKR SPEC _ systems

UKRSPECSYSTEMS is a Ukrainian based company focused in developing and producing UAV platforms, camera payloads and related equipment.

Our Gyro-Stabilized Gimbals

Meet our product line of gyro-stabilized gimbals for fixed-wing and multirotor platforms.



USG-212

EO and IR sensors gyro-stabilized gimbal with some advanced features.



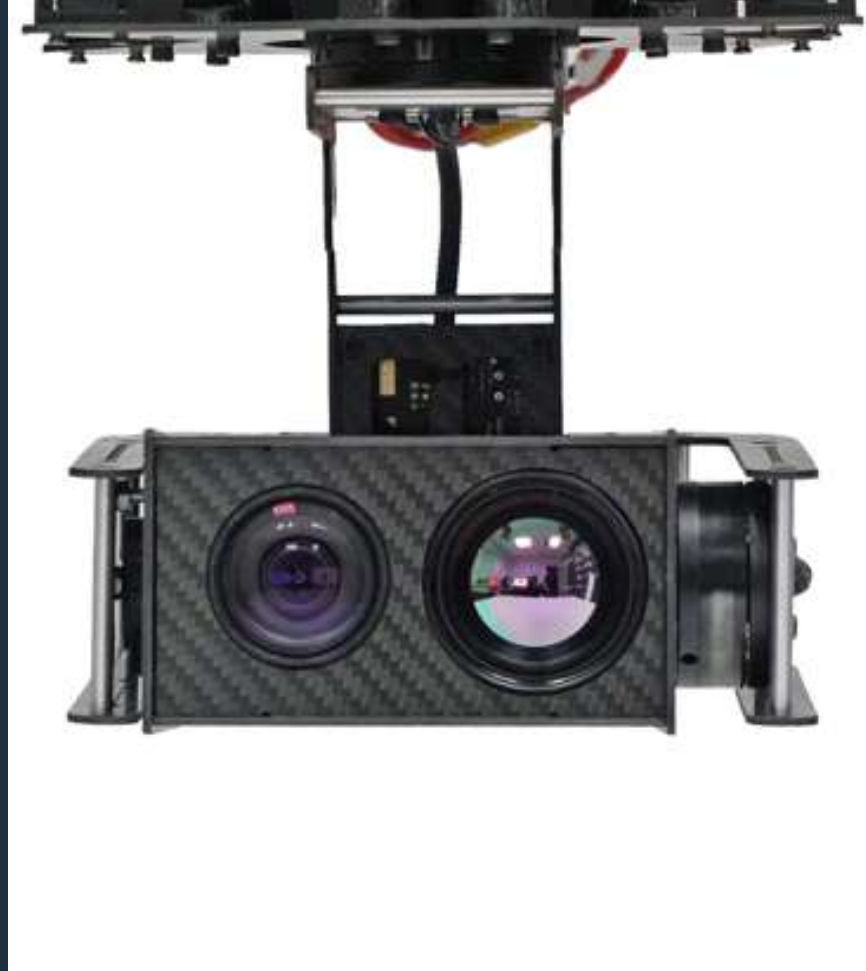
USG-211

Compact multi-purpose single sensor (EO or IR) gimbal.



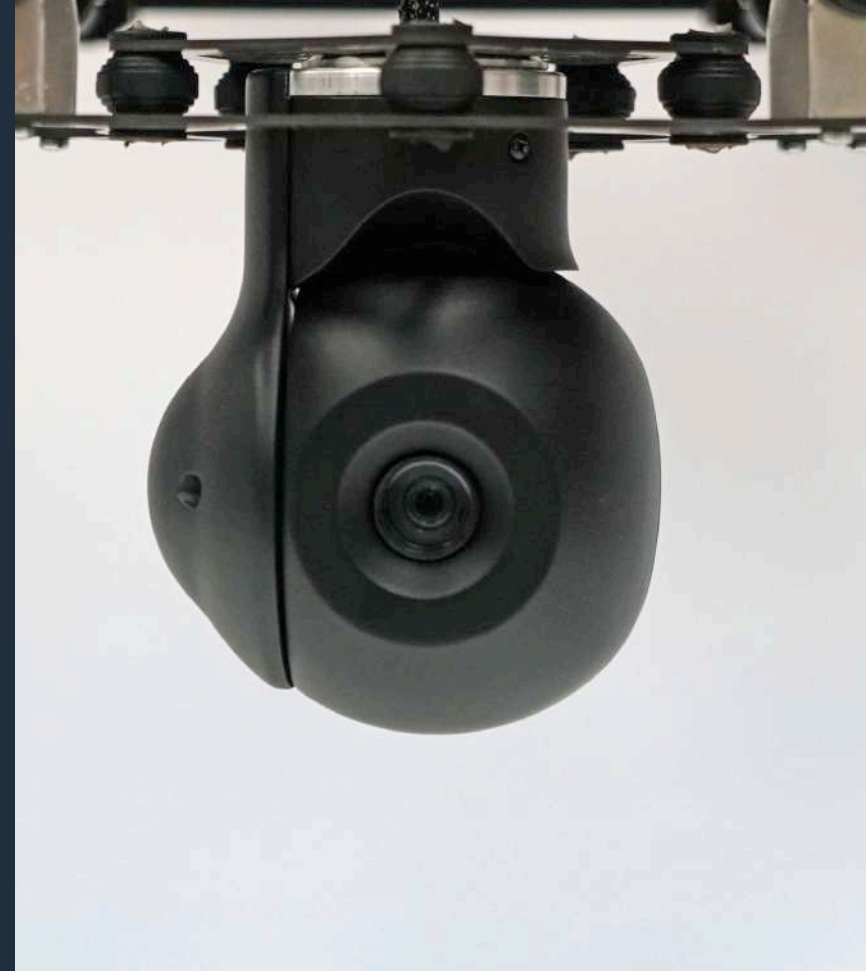
USG-301

Industrial 3-axis gyro-stabilized gimbal with Full HD camera with 30x optical zoom.



USG-302

Dual sensor 3-axis gyro-stabilized gimbal for VTOL multirotor drones.



USG-251

2-axis micro gyro-stabilized gimbal.

USG-212 Gimbal

Dual-sensor compact and light-weight 2-axis gyro-stabilized gimbal for fixed-wing platforms.



01. EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



02. IR sensor

- 640 by 512 resolution
- 30 Hz refresh rate
- 40 mm lens



03. Dimensions

- Height: 266 mm
- Width: 160 mm
- Weight: 2400 g



04. Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- Ethernet or 3G-SDI out



05. Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference

For more information visit:
WWW.UKRSPECSYSTEMS.COM/USG-212/



USG-211 Gimbal

Compact 2-axis gyro-stabilized gimbal for fixed-wing and multirotor platforms.



01. EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



02. Dimensions

- Width: 123 mm
- Length: 123 mm
- Height: 164 mm
- Weight: 950 g



04. Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- Ethernet or 3G-SDI out



05. Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference

For more information visit:
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USG-302 Gimbal

Dual-sensor 3-axis gimbal for multirotor VTOL platforms.



01. EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



02. IR sensor

- 640 by 512 resolution
- 30 Hz refresh rate
- 40 mm lens



03. Dimensions

- Height: 170 mm
- Length: 192 mm
- Weight: 1400 g



04. Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- 3G-SDI out or HDMI out
- S.BUS or PPM control signals



05. Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference

For more information visit:

WWW.UKRSPECSYSTEMS.COM/USG-302/



USG-301 Gimbal

Industrial grade 3-axis gyro-stabilized gimbal for multirotor platforms.



01. EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



02. Dimensions

- Width: 191 mm
- Length: 192 mm
- Height: 162 mm
- Weight: 950 g



04. Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- HDMI or 3G-SDI out
- S.BUS or PPM control signals



05. Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference



For more information visit:
WWW.UKRSPECSYSTEMS.COM/USG-301/

USG-251 Micro Gimbal

2-axis gyro-stabilized micro gimbal for fixed-wing and multirotor platforms.



01. EO Sensor

- Full HD 1080p
- 10x optical zoom
- Optical image stabilization



02. Dimensions

- Width: 96 mm
- Length: 90 mm
- Height: 124 mm
- Weight: 350 g



04. Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- SDI video out
- Serial or PPM control signals



05. Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference



Digital Video Processing

Our Digital Video Processing module can be connected to any of our gimbals and adds a wide range of great features.

Gimbal → Video processing module → Screen/video link



01. Digital Video Processing

- Digital video stabilization
- Target tracking
- Movement detection
- Multichannel feed processing and output
- Dual feed video recording



02. Communications

- HDMI in/out
- SDI in/out
- Ethernet
- RS 232
- 256 GB SDD for video/data recording or MicroSD card



03. Dimensions

- Size 138 x 138 x 62 mm (enclosed)
- Weight 680 g



Gimbals compatibility

Our gimbals are designed to be used with most popular air vehicles and equipment the market. We did our best to reduce integration need to minimum.



Fixed-wing UAV



Multirotor VTOL drones



Helicopters



Small manned aircrafts



Full HD commercial video links



COFDM video links



IP data links



Other HDMI/SDI/IP data links

Commercial products compatibility table

Our gimbal are fully compatible with most commercial drones and equipment on the market.

	PD-1 fixed-wing UAV or similar	DJI S1000	DJI Matrice 600	DJI Lightbridge 2	Amimon Connex	HDMI and SDI video links	IP data links
USG-212	✓	✗	✗	✗	✗	✓ <small>Dual input only</small>	✓ <small>With video processing module</small>
USG-211	✓	✓	✓	✓	✓	✓	✓ <small>With video processing module</small>
USG-301	✗	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Plug & Play – standard connectors</small>	✓ <small>Plug & Play – standard connectors</small>	✓	✗
USG-302	✗	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Plug & Play – standard connectors</small>	✓ <small>Plug & Play – standard connectors</small>	✓	✗
USG-251	✓	✓	✓	✓	✓ <small>With converter</small>	✓	✗

✓ - Fully compatible out of the box

Applications

Our gimbals can be used for wide variety of applications.



Commercial

- Commercial Aerial Videos
- Property Videos
- Wildlife Monitoring



Public Safety & Military

- Situation Awareness
- Search and Rescue
- Tactical Operations



Industrial

- Building Inspections
- Oil, Gas and Electric lines inspections
- Surveying and Mapping
- Agriculture Monitoring

Contact Us

Want to know more or have something to say? Give us a call or send an email!

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