USG-202 Multi Sensor Gyro-Stabilized Gimbal

Our USG-202 gimbal was designed for use on fixed-wing UAVs or small manned air crafts. It is notable for its low weight, durable design and compact dimensions. High performance gyro-stabilized platform delivers high precision guidance, while integrated damping system reliably eliminates all vibrations that occur in flight, providing high quality image quality in conditions of high vibrations, even while maintaining maximum optical zoom. Digital video processing module offers advanced features, such as real-time digital HD video stabilization and target tracking. All this together combined with affordable price offer one of the best in class solutions for professionals.
Integrated anti-vibration damping systems eliminates small vibrations. As result you have clear image without “jello effect”.

Full HD Sony EV7500 camera with 1/2.8-type Exmor™ CMOS image sensor and 30x optical zoom.

Altitude 1000 m (3280 ft.), Distance to target approx. 6 km (3.7 miles).

Integrated thermal camera allows to effectively detect and track targets even in low-visibility conditions.

Video processing with digital video stabilization, target tracking, scene lock.

www.ukrspecsystems.com
Made in Ukraine
### Specifications

**Dimensions**
- Width: 160 mm
- Height: 266 mm

**Weight**
- 1600 g

**Day-view camera**

**Camera**
- SONY FCB-EV7500

**Resolution**
- Full HD
- 1920 x 1080 at 60 fps

**Optical zoom**
- 30x

**View angles**
- 63.7° (wide end) to 2.3° (tele end)

**Lens**
- f=4.3mm (wide) to 129.0mm (tele);
- F1.6 to F4.7

**Working temperature**
- -20 °C - +45 °C

**Rotation angles**
- Pan angle: 360°
- Pitch angle: 360°
- Roll angle: -45° to +45°

**Electrical parameters**
- **Power**
  - 12V 25W

**Control signals**
- PPM (optionally RS485, CAN)

**Video out**
- HD-SDI or HDMI (optionally)

**Thermal camera**
- Resolution
  - 640*480 or 320*240

**Refresh rate**
- 30 Hz or 9 Hz

**Lens**
- 35 mm or 40 mm

**Digital zoom**
- 1x, 2x, 4x