USG-252 EO&IR payload

The USG-252 gimbal features Full HD day-view camera with 10x optical zoom and high performance thermal camera with digital zoom. 2-axis gyro-stabilized gimbal with damping mount eliminates vibrations from the airframe and compensates unwanted movements in the air. Furthermore, USG-252 has optical video stabilization feature making image quality crystal clear.

Optionally USG-252 can be upgraded with digital video stabilization, target tracking, scene lock, movement target detection and other advanced features.

USG-252 has compact and lightweight design and can be fitted on nearly any fixed-wing or multirotor drone on the market!
USG-252
2-Axis gyro-stabilized gimbal

Specifications

Mechanical parameters
Dimensions
Width: 147 mm
Length: 170 mm
Height: 74 mm

Weight
750 grams
without dampening mounting plate

Working temperature
-10 °C - + 45 °C

Continuous pan
Pan angle: 360°
Pitch angle: +45°...-135°
Roll angle: +55°...-55°

Electrical parameters
Power
12V, 25W max

Control interface
PPM

Camera parameters
Day-view camera
Resolution
FULL HD 1080p

Thermal camera
Resolution 640x512
9 Hz

Optical zoom
10x

Digital zoom
2x, 4x, 6x

View angle
Min 4.2°
Max 53.2°

Focal length
14.25 mm

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