



Full HD camera with  
10x zoom

Thermal sensor

Optical video  
stabilization

2-Axis  
Gyro-stabilization

Precision positioning

Easy to use

Continuous pan  
360 °

Can be fitted on  
nearly any UAV

#### 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!



### 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 parametrs

##### 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 lenght

14,25 mm

