

USG-405 EO/IR/LRF



- Integrated video processing module
- Laser rangefinder with up to 5 km range
- Motorized lens
- Continuous optical zoom capabilities in thermal IR
- Anti-spoofing for reliable tracking
- Geolock and integrated GPS
- Digital stabilization and onboard recording

Tech Specifications:

Parameter	 EO Sensor	 IR Sensor
Sensor type	CMOS	Uncooled Microbolometer
Resolution	1920x1080	640x512
Frame rate	30	30
Spectrum range	Visual light (350-750 nm) + NIR	LWIR
Pixel size	-	12 μ m
Optical zoom	30x	5x
Digital zoom	4x	4x
Field of view (wide/tele)	63.7° – 2.3°	15.2°
Lens aperture	F1.6 – F4.7	F1.2
Focal length	4.3 mm – 129 mm	15 – 75 mm
Anti-fog feature	✓	-
Operating temperature	-25°C to +61°C	
Operating voltage range	9-36 V	
Power consumption (total)	48 W	
Connectivity	Fisher, SMA	

 Laser Rangefinder	
Type	pulse
Measurement Range	5000 m
Target Detection Range (NATO Standard)	1800 m
Operating Wavelength	1540 nm
Measurement Accuracy	1 m

What's Included:

Item	Quantity
USG-405 gyro stabilized payload	1
Vibration isolation mount USG-400A	1
GPS antenna kit	1
Case for USG-405 gimbal system	1
Spare parts kit	1
Operating documentation	1
Software	1

