

Ultra Light Stabilized Gimbal Camera

SR-A50

■ Main Feature

- Ultra Light for UAV Application
- Full HD / HD Color Camera
- Thermal Imaging Camera
- Laser Range Finder
- MEMS Gyro Stabilization
- Image Stabilization Software
- Auto Tracker (Option)

- Gyro Motion Stabilization
- BIT (Built In Test)
- GPS & Digital Compass

- Laser Range Finder
 - Max Range 3.4km
 - 1.7km for NATO Target
 - Eye-safe

- HD Color Camera
 - Full HD Color Camera
 - 10x Optical Zoom
 - 4x D-Zoom



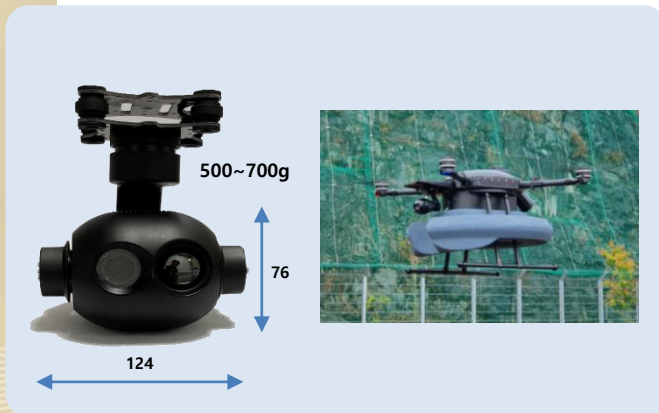
Wide

Narrow

- Thermal Camera
 - 640x480
 - 4x D-Zoom



Thermal Image



Auto Tracking (Option)

Auto video Tracking



Geo Lock Feature



■ Application



Drone



UAV



Ground Robot

Ultra Light Stabilized Gimbal Camera

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ITEM		SR-A50 EO/IR	SR-A50 Mini
			
Thermal Camera*	Spectral Range:	Uncooled, 8 to 14 μ m	Uncooled, 8 to 14 μ m
	Resolution:	640 x 480	640 x 480
	Focal Length:	25mm	18mm
	F Number:	f/1.2	f/1.2
	Field of View:	18°	25°
	Digital Zoom:	1x to 4x Digital Zoom	1x to 4x Digital Zoom
	Pixel Pitch:	12 μ m	12 μ m
	NETD:	\leq 50 mK	\leq 50 mK
	Video Format:	NTSC/PAL	NTSC/PAL
	Frame Rate:	60 Hz (30 fps)	60 Hz (30 fps)
	Focus System:	Fixed Focus	Fixed Focus
Color Camera	Sensor Type	1/2.8 inch CMOS	1/2.8 inch CMOS
	Image Resolution	1920 x 1080P	1280 x 720P (1920 x 1080P Optional)
	Zoom	10x Optical Zoom, 4x D-Zoom	20x Zoom, 2x D-Zoom
	FOV	H 54°(Wide) ~ 4.9°(Tele)	H 60°(Wide) ~ 3°(Tele), 2°(D Zoom)
Gimbal	Width	110 mm	60 mm
	Height (Below Deck):	145 mm	90 mm
	Weight:	< 500g	< 350g
	Pan Range : Tilt Range :	+178° ~ -178° -45° ~ +90°	+180° ~ -180° -45° ~ +90°
	Max Speed:	Pan : 60°/s, Tilt : 30°/s	Pan : 60°/s, Tilt : 30°/s
	Power Requirement:	12-34 VDC, 10 W or less	12-34 VDC, 10 W or less
	Operating Temperature:	-30°C to +43°C	-30°C to +43°C
	Gyro:	3 Axis Gyro Stabilization	3 Axis Gyro Stabilization

* Thermal Camera may be replaceable with various focal length