

Marinized Gimbal Camera (EO/IR Camera)

SR-Z200M

- Thermal Camera
 - Various Lens Selectable
 - Digital Zoom
 - High Resolution : 640×480 Pixels



Color Pallet



B/W

- Laser Range Finder (Option)

- HD Color Camera
 - 32x Motor Zoom Camera
 - Autofocus

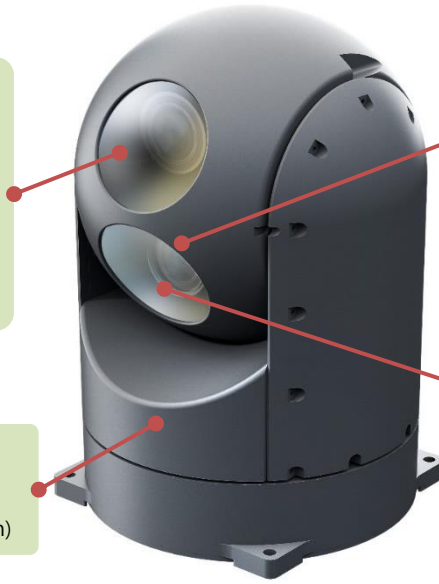


Wide



Narrow

- Gyro Motion Stabilization
- BIT (Built In Test)
- Video Auto Tracker (Option)
- GPS & Digital Compass(Option)



■ Main Feature

- Dual Camera Monitoring
- Marine Environment Proven
- Full HD Color Zoom Camera
- High Quality Thermal Camera
- High Performance Gyro Stabilization
- Auto Tracker / Detector(Option)
- Image Stabilization(Option)
- IPx6 Harsh Environment

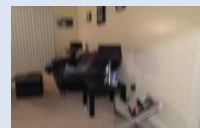
Video Auto Tracking

Auto Tracking Feature for UAV and Boat



Mounted on UAV

Onboard Video Processor



Digital Image Stabilizer



Anti Fog



On Screen Display



Video Fusion

■ Application



Ship



Coast Guard



UAV

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SR-Z200M

ITEM	SR-Z200	
Thermal Camera*	Spectral Range:	Uncooled, 8 to 14 μ m
	Resolution:	640 x 480
	Focal Length:	25mm Typical 18mm / 35mm Selectable
	F Number:	f/1.0
	Field of View:	18° for 25mm lens 24° for 18mm / 12.5° for 35mm
	Digital Zoom:	2x & 4x Digital Zoom
	Pixel Pitch:	12 or 17 μ m
	NETD:	\leq 50 mK
	Video Format:	NTSC/PAL
	Frame Rate:	60 Hz (30 fps)
	Focus System:	Motorized Focus
	Color Variation(Palette)	10 colors(Grey,Iron, Rain/Half Grey/Yellow/MidGrey/Fire/BlueRed)
	Image Processing:	AGC, Level&Span, NUC, Mirror, Flip, Invert, Image Filter on Screen Menu
	Detection Range** Human Target NATO Target	820m 2.2km
Recognition Range** Human Target NATO Target	210m 580m	
Color Camera (Full HD CMOS Zoom Camera)	Sensor Type	1/2.8 inch CMOS
	Image Resolution	1920(H) x 1080P(V), 1280 X 1024, 1280 X 960, 1280 X 720P
	Focal length	4.3 ~ 129mm, 30x Optical Zoom, 12x Digital Zoom
	FOV	H 61.5°(Wide) ~ 2.3°(Tele)
Laser Range Finder (Option)	Laser wavelength	1.5 μ m, eyesafe
	Detection Range	2km for 2.3x2.3m Nato Target
	Measurement Rate	1,10 Selectable
	Accuracy	1 ~ 1.5m
Controller (Option)	Controller Type:	Panel Mount Controller
	Display:	10.2" Touch LED
	Interface:	RADAR, GPS, Ethernet, RS232/RS422
	Features:	Built-In-Test, Stabilization Select Real-Time Monitoring, Network Control
Gimbal	Diameter	190 mm
	Height (Above Deck):	270 mm
	Height (Below Deck):	230mm minimum
	Weight:	5 kg or less
	Pan Range :	360° continuous
	Tilt Range :	-30° +90°
	Max Speed:	Pan : 60°/s, Tilt : 30°/s
	Power Requirement:	12-34 VDC, 100 W or less
	Operating Temperature:	-30°C to +55°C
Environmental Rating:	IP66	
Gyro:	2 Axis Gyro Stabilization System	

* Thermal Camera may be replaceable with various focal length

** Range depends on whether condition 50% probability

Marinized Gimbal Camera (EO/IR Camera)

SR-Z200M

SR-Z200M is equipped with a high-performance Uncooled thermal imaging zoom camera and Full HD/4K color zoom camera. It is an automatic video tracking camera with high performance 2-axis gyro motion stabilization, which can equip fixed FOV 25mm focal length typical or 18mm / 35mm as an option. It is a high tech rugged day & night camera system which has proven performance and durability mounted on small/medium sized patrol boats and unmanned surface boats. It is also possible to support the automatic orientation function by interworking with systems such as RADAR, LIDAR or AIS mounted on a ship.

