

SR-Z200

Stabilized Gimbal Thermal Camera (EO/IR Camera)

■ Main Feature

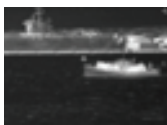
- Dual Camera Monitoring
- Marine Environment Proven
- Full HD Color Zoom Camera
- High Quality Thermal Camera
- High Performance Gyro Stabilization
- Auto Tracker / Detector(Optional)
- Image Stabilization(Optional)
- IPx6 Harsh Environment

[Thermal Camera]

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



Color Pallet



B/W

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



Laser Range Finder
(Option)

[HD Color Camera]

- 32x Motor Zoom Camera
- Autofocus



Wide



Narrow

■ Application



Ship ▲



Coast Guard ▲



UAV ▲

SR-Z200

Stabilized Gimbal Thermal Camera



ITEM		SR - Z200
Thermal Camera*	Spectral Range	Uncooled , 8 to 14 μ m
	Resolution	640 x 480
	Focal Length	25mm Typical Selectable by customer
	F Number	f/1.0
	Field of View	24.6 ° for 25mm lens
	Digital Zoom	2x & 4x Digital Zoom
	Pixel Pitch	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, 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	4.44 ~ 142.6mm, 32x Optical Zoom, 16x Digital Zoom
	FOV	H 62.8°(Wide) ~ 2.23°(Tele) / V 36.80°(Wide) ~ 1.26°(Tele)
Laser Range Finder (Option)	Laser wavelength	1.5 μ m, eyesafe
	Detection Range	10km for 2.3x2.3m Nato Target
	Measurement Rate	0.2, 1, 4, 10 Selectable
	Accuracy	0.5 ~ 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	7 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	IPx6
	Gyro	2 Axis Gyro Stabilization System

* Thermal Camera may be replaceable with various focal length

** Range depends on whether condition 50% probability