SilentW-UM6 Series

Mini Infrared Panoramic Camera

SilentW-UM is a compact solution for 360° panoramic monitoring. It's only 2 kg but equiped the latest 12μm thermal detector. It is very convenient to carry and to deploy the camera to create a perimeter security solution easily.

Industry-Leading Infrared Detector

Adopts the latest 12μm uncooled infrared detector or high-performance MWIR cooled detector, and advanced infrared image algorithms to ensure clear imaging at greater distances.

Compact for Rapid Deployment

Only weighs 2.1kg, easy for deployment.

360° Panoramic Monitoring

Detects a full circle in approximately 2 seconds and delivers real-time panoramic video images, enabling comprehensive visual monitoring without blind spots.

Multi-Target Detection

Capable of simultaneously detecting & tracking up to 128 targets, detection range up to 1.5km.

Intelligent Detection Algorithm

Deep learning AI algorithm to recognize human, vehicle, ship, and UAV targets.

Link with PTZ Camera

Easy calibration, link with dual-spectrum PTZ camera to track the target. Using zoom lens to view more details from long distance.
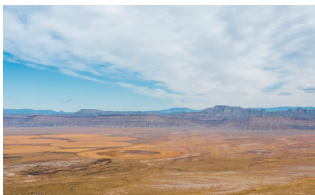
Specifications

Technical Specifications		SilentW-UM319	SilentW-UM325	SilentW-UM619	SilentW-UM625
Detector Type		Uncooled			
Detector Resolution		384×288		640×512	
Focal Length		19mm	25mm	19mm	25mm
Panoramic Image Resolution		9900×288	13000×288	9900×512	13000×512
360° Scanning Frequency		0.3Hz	0.2Hz	0.555Hz	0.444Hz
180° Sector Scanning Frequency		0.6Hz	0.4Hz	1.11Hz	0.854Hz
Horizontal FOV Range		360°			
Vertical FOV		10.4°	7.9°	18.4°	14°
Tilt Range		±5°			
Protection		IP66			
Dimension (mm)		108×112×175			
Weight		2.lkg			
Work Environment		-40°C~+60°C			
Power		DC24V			
Power Consumption		15w			
Network		100M/1000M Ethernet port			
Detection Distance	Human(1.7m)	600m	750m	600m	750m
	Vehicle (4m)	1200m	1500m	1200m	1500m

*The target detection distance refers to the maximum distance in an ideal environment.

Application Scenarios

Border Security

Coastal Security

Oil and Gas Pipelines

Critical Infrastructure Protection

RayThink Technology Co., Ltd.

▪ This manual is illustrative only. Technical specifications are subject to change without prior notice.