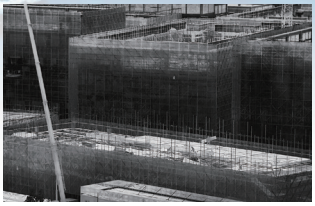
PM6 Series

Multi-spectrum Positioning System

The PM6 features an integrated co-axial design with upper and lower payloads, delivering multi-spectral imaging capabilities including thermal and visible light. It also provides a mounting base for additional detection modules. This architecture simplifies coordinate conversion during re-detection processes, enhancing both accuracy and operational efficiency. By achieving a qualitative evolution from multi-dimensional coordination to full data fusion, the system offers a robust and reliable solution for critical infrastructure security and other demanding surveillance applications.



Industry-Leading Infrared Detector

Adopt the latest uncooled infrared detector or high-performance MWIR cooled infrared detector and advanced infrared image algorithms to provide clear imaging at greater distances.

Dual-Spectrum Imaging

Support a maximum thermal imaging resolution of 640 x 512; Support a maximum visible light resolution of 4 megapixels (2688×1520).

Long-Range Detection

Feature a 25–225mm continuous zoom infrared lens for the uncooled version and a 30–660mm lens for the cooled version, catering to long-distance monitoring needs.

Intelligent Video Analysis

Support VCA such as area intrusion, tripwire intrusion, and human/vehicle/boat/fire point recognition, along with detection of intrusion, line crossing, and entrance/exit events in defined areas.

Coaxial System

An integrated detection platform that simplifies system calibration processes and enhances search and tracking accuracy and efficiency.

Platform Integration

ONVIF and other standards protocols, and providing an SDK for secondary development.

Specifications	PM6	
	Thermal Module	
Detector Type	Uncooled VOx infrared detector	T2SL cooled infrared detector
Spectral Range	8~14μm	3.4～5μm
NETD	⩽40mK@F1.0	⩽20mK@F4.0
Resolution	640×512	
Pixel Pitch	12μm	15μm
Focal Length	25~225mm	30~660mm
	Optical Module	
Sensor	1/1.8 inch 4MP CMOS	
Resolution	2688×1520	
Focal Length	15~775mm	
Focus Mode	Auto/Manual/One-off automatic	
	PTZ	
Pan	360° continuous rotation,0.1°~100°/s	
Tilt	-90°~90°,0.01°~100°/s	
Top load Capacity	35kg	
Gyro Stabilization	Support image stablization	
Scan Mode	Preset/Tour/Pattern Scan/ Linear Scan/Pattern Scan	
	Smart Function	
Coaxial Auto-framing	Support	
Smart Recording	Alarm-triggered recording, network loss-triggered recording with auto-resume	
Malfunction Detection	Support alarm trigger of network disconnection, IP address conflict, SD card error, illegal access, burning alert and abnormal detection	
Intelligent Detection	Tripwire detection, line acrossing, regional intrusion, and other intelligent video analysis functions	
Alarm Linkage	Video recording/Snapshot/alarm output/ sending mail/ PTZ linkage/Audible and visual alarm	
	System Interface	
Power Supply	DC 48V±15%	
Communication	1 RJ45 self-adaptive 10M / 100M Ethernet port	
Storage Interface	Micro SD card（maximum 1TB）	
Communication	1-channel RS485	
	General	
Power Consumption	Max.500W	
Dimensions:	826mm×571mm×606mm	
Weight	85kg	
Operating Conditions	-40°C~+70°C；<90%RH	
Ingress Protection Rating	IP66, TVS 6000V, lightning protection, surge protection, and spike protection	
	Distance	
Human(1.8×0.5m)	2300m	5500m
Vehicle(1.4×4.0m)	5300m	12000m
Vessel(10×5m)	9400m	22000m
Low-Altitude Target(0.35×0.35m)	2500m	5000m

*Specifications are subject to change based on actual configuration.

Applications

Coastline and Harbor Security

Forest Fire Monitoring

Urban High-Altitude Observation

Perimeter Security