

S-100

HawkEye Camera



4K Ultra HD &
5km Long Range



Real-Time
Panoramic Imagery



PS-2000 Data
Linkage for Risk
Zone Identification



Optical Zoom and
Rapid Snapshots



All-Environment
Rugged Protection

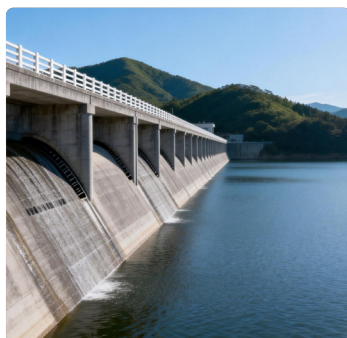
► Use Cases



Open-Pit Mine



Tailings Pond



Reservoir Dam



Emergency Response

SPECIFICATIONS

► Visible Light Imaging System

Image Sensor	1/1.8" CMOS
Effective Pixels	8 Million
Maximum Resolution	3840×2160
Horizontal Resolution	1500 TVL
Minimum Illumination	0.002 Lux
Focus Mode	Auto (auto focus time ≤5 s) / Manual / One-key Focus
Zoom Repeat Accuracy	Edge deviation ≤1%
Lens Image Coaxiality	Coaxial deviation ≤3%
Image Output Format	Supports raw image file output
Region Enhancement	ROI (Region of Interest) Enhancement
Interface Protocol	Supports ONVIF, RTSP
Visible Light Anti-Shake	Electronic Anti-Shake
Focal Length	6.3-252 mm
Zoom Factor	40
Aperture Number	F1.4-close
Horizontal Field of View	H=1.7°~65.3°
Vertical Field of View	V=1.0°~38.4°
Diagonal Field of View	D=1.9°~73.0°
Imaging Distance	10 m~5 km
Temperature Difference Focus Correction System	Supported, with automatic focus correction function at different temperatures
Lens Cleaning	Supports Wiper

*All specifications are subject to change without notice.

► High-Precision Spherical Turret

External Design	Spherical design, metal material
Transmission Mechanism	Adopts hollow rotating platform, uniform force, stable operation, preset position accuracy ≥0.1°
Horizontal Range	360° continuous rotation
Horizontal Speed	Horizontal key-controlled speed: 0.1°/s~45°/s
Horizontal Preset Speed	45°/s
Vertical Range	+90° ~ -90°
Vertical Speed	Vertical key-controlled speed: 0.1°/s~45°/s
Vertical Preset Speed	45°/s
Horizontal Angle Accuracy	<0.1°
Elevation Angle Accuracy	<0.1°
Positioning Accuracy (Control Accuracy)	<0.1°
Turret Self-Locking	Supports turret self-locking
Control System	MCU independent control system
3D Precise Positioning	Supports
Preset Positions	256
Cruise Scanning	32 routes
Precision Correction Function	Supports simple calibration, precision calibration, and celestial calibration modes
Remote Monitoring	Enables remote monitoring of temperature, current, sensor faults, and timely alerts
Remote Upgrade	Supports online upgrade; allows remote upgrade of device software system and parameter update. If power failure/disconnection occurs during upgrade, it does not affect re-upgrade after recovery
Clock Synchronization	Supports NTP clock synchronization with other systems/client software; full-network device clock synchronization deviation ≤100ms
Lightning Protection	Equipped with lightning protection, resistant to 6 KV surge
Power Supply	DC48V ± 30%
Maximum Power Consumption	150 W (estimated)
Operating Temperature & Humidity	-40°C~70°C, humidity <93%
Protection Class	IP66

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