

Data Sheet

Low Power Fixed Camera WS-AWC160



Key Parameters

High-Resolution Imaging

- Day: Up to 4608x3456
- Night: 1080P

Solar Panel and Battery Support

- Solar Power Integration
- Reliable Battery Backup

Timed Snapshot Function

Enhanced Security

- Audio and Light Alarm

Environmental Adaptability

- Operating Temperature
-40°C to 70°C | -40°F to 158°F
- IP67 Rating

Product Features

Smart

- Timed Snapshot function
- Smart recording: Support edge recording
- Smart encoding: Support low bit rate; low latency
- AI: foreign object and pyrotechnic detection

High-Resolution Imaging

- Resolution: Daytime Up to 4608x3456 Night: 1080P
- Code smoothness setting for different requirements of image quality and fluency
- Support configuration of video stream with adjust of: resolution, frame rate
- Support H.264/MJPEG video compression, multi-level video quality configuration

Infrared

- Irradiation distance is up to 50m
- Smart IR, prevent over-exposure in close distance

Solar Panel and Battery Support

- Harness the power of solar energy with integrated solar panel support
- Reliable battery backup ensures continuous operation

Connectivity

- 4G Network Support for seamless connectivity
- WIFI & GPS

Interface

- Support standard 256GB TF card storage
- Audio and Light Alarm: security alerts for heightened situational awareness
- Support 10/100M Ethernet port
- Support RS-485 interface

Standard Protocols

- Protocol Compatibility: ONVIF compliant for seamless integration with other systems

Extreme Environmental Adaptability

- Operating Temperature: -40°C to 70°C | -40°F to 158°F
- IP67 Rating: Ensures resilience against dust and water ingress
- Strong Anti-Electromagnetic Interference Capability

Application Scenario

- Power industry
- Construction Machinery
- Road Surveillance

Technical Specification

Camera		
Image Sensor	Daytime	1/2.8" Progressive Scan CMOS
	Night	1/2.8" Progressive Scan CMOS
Lens	2mm	
Day & Night	IR cut filter with auto switch	
Pan/Tilt/Zoom	N/A	
IR Distance	50m	
Video		
Video Compression	H.264	
Resolution	Daytime	4608×3456
	Night	1920×1080
Bit Rate	64Kbps-16Mbps	
Frame Rate	25fps(1920x1080)	
Audio		
Audio Streaming	support	
Audio Interface	1-ch audio out(optional)	
Network		
Protocols	TCP/IP, UDP, HTTP, HTTPS, DHCP, PPPoE, HTTP, HTTPS RTSP,bRTMP, DDNS, UPNP, FTP	
Security	Data encryption(optional)	
Standard	ONVIF	
Wireless Connectivity	4G/WIFI/GPS	
Interface		
Communication Interface	1 RJ45 10/100M Ethernet port	
	1 RS-485 interface	
Storage	TF card	

Smart Feature	
AI	Foreign object detection, pyrotechnic detection
Others	N/A
General	
Power Supply	DC 10.8 -18V
Power Consumption	Max.5W
Solar Panel	40W
Battery	20Ah
Operation Conditions	-40°C to 70°C -40°F to 158°F
	Humidity 90% or less(non-condensing)
Protection Level	IP67
Dimensions	890×668mm 35×26.30in
Weight	9.6kg(21.16lbs)