

Data Sheet

# 4-LENS PTZ Camera WS-AWC180



## Key Parameters

### High-Resolution Imaging

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

### PTZ Functionality

- Optical Magnification  
2MP 20 times

### Thermal Imaging Support

- Pixel: 384x288

### Advanced AI Detection

- Foreign Object Detection
- Fire and Smoke Recognition

### Power Options

- Solar Panel and Battery  
Support(Optional)

### 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
- Smart lens options: AF lens
- PTZ, Horizontal rotation Angle 0° to 360°, vertical rotation Angle -90° to 90°
- AI: foreign object and fire, smoke recognition

## 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
- Thermal imager: 384\*288

## Infrared

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

## 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

## 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
- Fire Prevention

## Technical Specification

Camera		
Image Sensor	Daytime	1/3" Progressive Scan CMOS
	Night	1/2.8" Progressive Scan CMOS
Lens	5.4-108mm	
Day & Night	IR cut filter with auto switch	
Pan/Tilt/Zoom	Horizontal: 360° Vertical: -90 to90°	
IR Distance	50m	
Video		
Video Compression	H.264	
Resolution	White light	1920×1080
	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	

<b>Smart Feature</b>	
AI	Foreign object detection, support fire, smoke recognition
Others	Thermal Imager
<b>General</b>	
Power Supply	DC 10.8 -18V
Power Consumption	Max.5W
Solar Panel	180W(optional)
Battery	100Ah(optional)
Operation Conditions	-40°C to 70°C   -40°F to 158°F
	Humidity 90% or less(non-condensing)
Protection Level	IP67
Dimensions	248×242mm   9.76×9.5in
Weight	5.0kg(11.02lbs)