

Data Sheet

Wireless Surveillance Package

WS-AW100 WS-AWC100/200 WS-AWP030



Communication Box
WS-AW100



WS-AWC100



IP Camera

WS-AWC200



Solar Panel
WS-AWP030



Product Features

Smart

- Snapshot function & timed streaming
- Smart recording: Support edge recording
- Smart encoding: Support low bit rate; low latency
- Support 2 way audio
- AI: Human & Motion detection

High-Resolution Video

- Supports 1080P Video Input
- Code smoothness setting for different requirements of image quality and fluency
- Support configuration of video stream with adjust of: resolution, frame rate
- Support H.265/H.264/MJPEG video compression, multi-level video quality configuration

Infrared

- Irradiation distance is up to 15m
- Smart IR, prevent over-exposure in close distance

Versatile Connectivity

- 4G Cat.6
- Support GPS

Solar Panel and Battery Support

- Solar Power Integration
- Reliable Battery Backup

Abundant DIY elements

- Removable camera
- Upgradable battery capacity (up to 30000mAh, 2 battery packages)
- Enganced Antenna (support to change panel & parabolic antenna)
- Kinds of Solar Panel specification, 30W, 60W, 120W
- Support to expand to 5G Redcap solution

Application Scenario

- Farm & Orchard Management
- Fishery, Forestry farm
- National Road
- Border security

Communication Box (WS-AW100)

Technical Specification

Network	
Category	Cat.6 (RG060-NA)
Cellular Bands	4G LTE NA bands, support CBRS(B48)
Chipset No	Qaulcomm SDX12
GPS	support
Antenna	Default: Normal Support DIY: Panel & parabolic antenna
OTA	
Support	
Interface	
Communication Interface	1 RJ45 10/100M Ethernet port
	2*10PIN POG PIN
Storage	N/A
LED	3 LED, SIG/POW/Charging
Reset	support
Smart Feature	
AI	Human & Motion detection
General	
Power Supply	DC 12V
Solar Panel	N/A
Battery	21700, 15000mAh, extra 15000mAh (optional)
Operation Conditions	-20°C to 60°C -4°F to 140°F
	Humidity 90% or less(non-condensing)
Protection Level	IP66
Dimensions	330×244×118mm 12.99×9.61×4.65in
Weight	3.5kg(7.72lbs)

IP Camera (WS-AWC100/200)

Technical Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Lens	3 million pixels
Day & Night	IR cut filter with auto switch
Pan/Tilt/Zoom	WS-AWC200(PTZ) support, Pan:355° Tilt:90°
IR Distance	15m
Video	
Video Compression	H.264/H.265/MJPEG
Resolution	HD 1080P 1920×1080
Bit Rate	32Kbps-8Mbps
Frame Rate	25fps(1920x1080)
Audio	
Audio Streaming	2 way audio
Audio Interface	1-ch audio out 1-ch audio in
Network	
Protocols	TCP/IP, UDP, HTTP, HTTPS, DHCP, PPPoE, HTTP, HTTPS, RTSP, RTMP, DDNS, UPNP, FTP
Security	AES, DES, RSA and HASH Digital True Random Number Generator
Standard	ONVIF
Wireless Connectivity	Match with WS-AW100
Interface	
Communication Interface	2*10PIN POG PIN
Storage	TF card
Smart Feature	
AI	Human & Motion detection
General	
Power Supply	DC 12V
Power Consumption	Max. 12W(with streaming & PTZ control)

Solar Panel	Match with WS-AWP030	
Battery	Match with WS-AW100	
Operation Conditions	-20°C to 60°C -4°F to 140°F	
	Humidity 90% or less(non-condensing)	
Protection Level	IP66	
Dimensions	WS-AWC100	79X 79 X 210mm 3.11×3.11×8.27in
	WS-AWC200	115X155X180mm 4.53×6.11×7.09in
Weight	2.5kg(5.51lbs)	

Solar Panel (WS-AWP030)

Technical Specification

General	
DC	DC12V Default: 30W, 60W & 120W (optional)
Cable	2.5 meters
Material	ETFE
Connector	M14
Operation Conditions	Temperature: 0°C to 60°C 32°F to 140°F
	Humidity 90% or less(non-condensing)
Storage temperature	0°C to 60°C 32°F to 140°F
Size	540(L)×380(W)×30(H)mm 21.26×14.96×1.18in
Weight	3.5kg(7.72lbs)