

Data Sheet

Bird Deterrence System WS-AWL100



Key Parameters

Advanced Bird Detection

- AI Intelligent Algorithms for Accurate Bird Detection

Precision Bird Deterrence

- PTZ Laser Fast Linkage for Precise Bird Drive

Remote Switchgear

- Convenient Remote Control

Stable and Durable PTZ

- PTZ with High Stability and Long Service Life

Versatile Deterrent Options

- Simulated Gunfire and Animal Sounds (Optional)

Eco-Friendly Power Supply

- Solar Power Supply(Optional)



Product Features

Smart

- Timed Snapshot function
- Smart recording: Support edge recording
- Smart encoding: Support low bit rate; low latency
- Smart lens options: AF lens
- Laser scan, Horizontal angle >180°, vertical angle 1° to 180°
- Bird recognition and deter
- Simulating gunfire, animal sound and other output (optional)

High-Resolution Imaging

- Resolution: 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

Laser

- Irradiation distance is 3~200m
- Laser type: continuous and intermittent green laser

Connectivity

- 4G LTE

Interface

- Support standard 256GB TF card storage
- Audio Alarm: security alerts
- Support RS-485

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
- IP66 Rating: Ensures resilience against dust and water ingress
- Strong Anti-Electromagnetic Interference Capability

Technical Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Lens	4.7-94mm
Day & Night	IR cut filter with auto switch
Pan/Tilt/Zoom	Horizontal: 360° Vertical: -90 to 90°
IR Distance	50m
Video	
Video Compression	H.264
Resolution	1920×1080
Bit Rate	64Kbps-16Mbps
Frame Rate	25fps(1920x1080)
Audio	
Audio Streaming	support
Audio Interface	1 inch 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 LTE
Interface	
Communication Interface	1 RJ45 10/100M Ethernet port
	1 RS-485 interface
Storage	TF card
Smart Feature	
AI	Bird recognition; Simulating loud birds, eagles, gunfire, thunder, guns, machine guns, wolves, cats(optional)
General	
Power Supply	DC 13.2V
Power Consumption	Max. 16W(with streaming & PTZ control & laser)

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	IP66
Dimensions	370×202mm 14.57×7.95in
Weight	5.5kg(12.13lbs)