

2000M Laser 4MP 55X IP67

Bird Repellent Device



Key Features

- Laser wavelength: 532nm, Laser power: 5000mW, Irradiation distance: 2000m;
- Laser color: green/white, customizable;
- Omni-directional monitoring and scanning, worm gear drive
- 4MP video resolution, Support AI algorithm, intelligent identification of bird flocks.
- Support flash explosion function
- Beam type: Spot, one-line (optional)
- Operating range: horizontal 360° continuous, vertical -90°~+45° rotation;
- Protection grade IP67, lightning-proof, surge-proof, electromagnetic shock-proof.
- Support timed task preset points, pattern scanning, renewal scanning, left and right scanning.

Product features

Birds perceive the moving laser light as a physical threat and flee immediately when the beam passes by. This solution is proven to reduce bird nuisance by more than 70%. Bird habituation doesn’t occur. The system can be programmed and monitored through software.

Bird Repellent Device is a special wavelength laser designed specifically for bird-driving Pan&Tilt, the role of long distance, through the remote control system to achieve long-distance real-time control; in the work without noise and other pollution, will not interfere with other working equipment.

It is designed with IP67 protection grade to meet the needs of bird repelling equipment used outdoors all year round in airports, orchards, farmlands, warehouses and power grids, power transmission and other places.

Technical parameters

Model	SV-950BDG
Camera function	
Image sensor	1/1.8" Progressive Scan CMOS
Effective Pixels	4MP
Minimum Illumination	Color: 0.0001 Lux @(F1.4, AGC ON); B&W: 0.0005 Lux @(F1.4, AGC ON)
Main stream resolution	50Hz: 25fps (2560×1440, 1920×1080, 1280×960, 1280×720); 60Hz: 30fps (2560×1440, 1920×1080, 1280×960, 1280×720)
Focal length	6.1-335.5mm, 55x optical zoom, 16x electronic magnification

Aperture	F1.4-F4.7
Horizontal field of view	63.38° - 1.74° (wide angle - telescopic)
Variable speed	Approx. 6 seconds (optical, wide angle - telescopic)
Close-up distance	100mm~2000mm (wide angle - telescopic)
Day / night conversion mode	ICR infrared filter type
Laser function	
Laser Type	Continuous, intermittent laser
Laser wavelength	532±3nm
Laser beam type	One line
Laser irradiation distance	2000m
Output power	>=5000mW
Laser color	Green
Operating Voltage	DC12V±10%
Pan&Tilt Features	
Rotation range	Horizontal: 360° continuous, vertical: -90 to +90°
Rotation speed	Horizontal: 0.1~30°/S, Vertical: 0.1~30°/S
Positioning accuracy	0.1°±50%
Preset position	255
3D positioning	Support frame enlargement, target locking field of view center function
Auto Cruise	Support focal length and head speed matching
Power failure memory	Support power-off state memory function, automatically return to the Pan&Tilt and lens state before power-off after power on
Watch function	On/Off, preset point/cruise scan can be called automatically after staying idle for a specified time (including the idle state entered after power-up)
Drive Structure	Worm gear transmission
Remote Upgrade	Support both movement and Pan&Tilt remote upgrade (related to movement)
Real-time angle back transmission	Support real-time angle return or query angle return function
Smart Wiper	Remote intelligent control (optional)
Fan/Heating	Real-time temperature detection, pure physical detection
Waterproof respirator	Built-in 2 waterproof respirators to reduce fogging and condensation
Communication Baud Rate	2400/4800/9600/19200bps
Functional Applications	
Bird Identification	Bird target recognition, support detection, tracking and capture of moving birds, output the optimal target picture
Intelligent Algorithms	Embedded deep learning algorithm, based on massive image and video resources, greatly improves the recognition rate of the target
Network Services	
Network Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6
Access Protocol	ONVIF(PROFILE S,PROFILE G)
Pan&Tilt Interface	
Network Interface	RJ45 10/100Base-T
Audio Interface	1-channel audio input, 1-channel audio output
Alarm interface	2-channel alarm input/2-channel relay output
External 485 interface	Support adaptive Pelco-P, Pelco-D and other protocols
Ground Line	1 channel
General	
Power supply	DC24V \ AC24V / 6.0A
Power consumption	<55W (laser start)
Working environment temperature	-40℃~60℃

Humidity of working environment	0~95% (non-condensing)
Protection level	IP67, built-in 4000V lightning, surge and surge protection
Installation method	Column-mounted, wall-mounted, corner-mounted
Outlet method	Side outlet / lower outlet optional
Dimensions (L, W, H)	L490mm×W267mm×H290mm
Weight	12kg
Load weight	≤4kg (including movement shield)
Carrying method	Side load



Laser irradiation effect



Dimension

