

Laser & Strobe light Smart

Bird Defense PTZ System



Key Features

- Using a high-power 520nm or 532 nm green single-line laser (1500mW) and strobe lamp (2000 lx);
- Horizontal 360° continuous rotation + vertical -90° to +90°tilt for sweeping large farms, airports, or power grids;
- Adjustable parameters: laser sweep speed/angle, PTZ movement range, operation schedules;
- IP67-rated against dust/water; lightning/surge/EMI protection; self-cleaning glass window;

Product features

Equipped with a specific-wavelength laser designed exclusively for bird deterrence, this intelligent pan-tilt platform delivers long-range effectiveness and enables real-time remote control via an advanced management system. It operates noise-free and pollution-free, ensuring zero interference with nearby equipment or workflows. Application: Airfields\Power Transmission Lines\ElectricalSubstations\Croplands\Orchards\Ranching Facilities\PV Power Plants\Logistics Warehouses.

Technical parameters

Model	PV965BS02	PV965BS05
Wavelengththe lasers		
Wavelength	520±5nm	532±1nm
Optical Output Power	1500mW	1000mW
Work mode	Beam mode (continuous)	
Aperture	φ 6.5mm	φ 8.0mm
Incidence angle	5°	3°
Spot mode	Linear Line	Circular Spot
Strobe light		
Beam form	strobe	
Laser color	blue/red Available	
Brightness	≤2000lx	
Pan &Tilt		
Rotation range	Horizontal: 360° continuous, vertical: -90 to +90°	
Rotation speed	Horizontal: 0.1~30°/S, Vertical: 0.1~30°/S	
Preset position	255	
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)	
Remote Upgrade	Support	

Smart Wiper	Remote intelligent control (optional)
Waterproof respirator	Built-in 2 waterproof respirators to reduce fogging and condensation
Communication Baud Rate	2400/4800/9600/19200bps
Interface	
Ethernet Port	RJ4510/100Base-T(IEEE 802.3)
External RS-485 Interface	One line(ISO/IEC 8482:1993)
Power supply	One line
Grounding Terminal	One line(IEC 60364-5-54)
General	
Power supply	DC24V/4.0A
Power consumption	≥40W (Laser start)
Working Temperature	-30℃～60℃
Working humidity	0～95%RH
EMC level	IP67, Power 4000V, Surge and Spike Protection
Dimensions	L170mm×W255mm×H225mm
Product weight	5.5kg

Dimension

