

800mm 65X Optical Zoom

1080P 5KM Laser PTZ Camera



Key Features

- 800mm(12.3-800mm) Optical Zoom 1080P Image sensor.
- 5Km IR Lasers irradiation distance.
- Super starlight level, 0.002Lux/F1.8(Color), 0.005Lux/F1.8(B/W)
- Edge computing, support 80 target classification detection, recognition.
- Horizontal 360° continuous, vertical 40°~-45°rotation.
- Support 3D positioning function, clickable tracking and zooming through the client/IE.
- Outdoor IP66 protection level, lightning, surge and surge protection.
- It can be widely used in straw burning, fishery ban, forest fire prevention, perimeter oil field, border and sea defense.

Technical parameters

Model	SVN-65NS2L-5KM
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Focal length	F12.3mm(±5%)~800mm(±5%)(65X)
Lens aperture	F(w)1.8~ F(t)7.2
Minimum illumination	Color:0.002 Lux @(F1.8,AGC ON), ICR ON Black & White:0.005 Lux @(F1.8,AGC ON), ICR OFF
Close-up distance	1m(w)~5m(t)
Horizontal field of view	34.14°(w)- 0.56°(t)
Signal-to-noise ratio	>52dB
IR Lasers	
Effective Distance	≥5000m
Wavelength	808±10nm(940nm Optional)
Consumed Power	≤130W
Output Power	50W±2W
Illumination Angle	0.3°~30°(Continuous zoom)
Spot Diameter	φ 26m(@0.3°,@5000m)
Laser Safety Distance	≥376m(@0.3° ,@Pomax)
PTZ	
Rotation range	Horizontal: 360°continuous, vertical: 40° to -45°
Rotation speed	Horizontal: 0.1~20°/S, Vertical: 0.1~10°/S
Preset	256

Cruises	8
Auto Scan	8
Automatic homing function	support
Follow a trail	4
Auxiliary switch	2 groups
Control method	RS485 control for rotation angle return and angle control
Coding method	
Video compression standard	H.265 / H.264 / MJPEG
Coding delay	≤ 80ms (low latency mode)
Audio compression	G.711(ALAW)/MP2/G>711(MULAN)
Image resolution	Full HD/1080P(1920*1080)
Dual stream	1080P + D1 + 1080P(M-JPEG)
Coding mode	Support low stream, low latency, SVC adaptive encoding
Image effect	Rotation and mirroring, customized image modes
Frame rate	25/30fps, customizable to 50/60fps
OSD	Multi-zone intelligent OSD with support for custom size, color and position
Image parameter	
Focus mode	AF/ZF (Zoom Trigger AF)/MF
Electronic shutter	1/10000s to 1/25s
Exposure control	Auto, Manual, Priority (Shutter or Max AGC), Brightness, etc.
Exposure area	Auto, Center Exposure, Global Exposure, Manual Selection of Area
Exposure compensation	5 adjustable levels
White balance	Auto, Scene (incandescent, fluorescent, daylight, flash, etc.), Manual
Gain	Automatic, Threshold Control
BLC	Off/On
WDR	dWDR, Auto/I/II/III
Image Noise Reduction	3D-MCTF Digital Noise Cancellation
Day & Night Mode	Auto/Color/B&W
ICR Switch	Auto/color/b&w, timer, auto, alarm trigger, latitude/longitude mode
Defog	Electronic defog, optical Defog (optional)
Log Management	Support log management, provide operation log, alarm log, abnormality log recording and querying
Fault detection	Network disconnection detection, IP conflict detection, memory card status detection, storage space detection
Other Functions	Motion Detection, One Touch Factory Reset, Anti-flicker, Triple Stream, Heartbeat, Set Access Port
Intelligent Applications	
Targeted Detection	Support more than 80 categories of classified target detection such as drones, people, vehicles, boats, aircraft, armored equipment, etc.
Target recognition	Recognition of more than 80 types of targets, similarity percentages, pixels, etc., with support for deep learning training
Intelligent Tracking	Supports automatic locking and tracking of various types of moving targets and specific targets
Protocol Guidance	Support radar, spectrum detection, TDOA, AIS, ADS-B and other protocol signals guidance
Image Post-Processing	Supports image colour enhancement, image distortion correction, image stitching engine, etc.
Image Rotation	Support 90°/180°/270°rotation and mirroring, customised image modes
Event Detection	Intelligent moving target detection, area intrusion detection, etc.
Alarm linkage	Support for external alarms physical volume signals, protocol signal volume alarms

Fault detection	Network disconnection detection, IP conflict detection, memory card status detection, storage space detection
User safety	Password protection, multi-user access rights
User maintenance	Remote upgrades and maintenance via the Internet
Network	
Network Protocols	IPv4, TCP/IP, UDP, HTTP, DHCP, RTP/RTCP, FTP, UPnP, NTP, ICMP
Access Protocol	ONVIF, Provision of SDK development kits, charging protocols and CMS management platform software
Web Service	Built-in WEB access page
General	
Power supply	DC/AC24V
Power consumption	≤100W
Protection class	IP66
Working environment temperature	-40℃~55℃
Humidity of working environment	0~95% (non-condensing)