

96X Optical Zoom 4MP 5KM

IR Lasers IP PTZ Camera



Key Features

- 96X(6-576mm) Optical Zoom 4MP Image sensor.
- 5Km IR Lasers irradiation distance.
- Super starlight level, 0.0005Lux/F1.5(Color), 0.0001Lux/F1.5(B/W)
- Support electronic stabilization, distortion correction, shadow correction, corridor mode; optical fog transmission (optional).
- 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-96ZS4L-5KM
Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Pixels	4.0MP
Minimum illumination	Color:0.0005 Lux @(F1.4,AGC ON), Black & White:0.001 Lux @(F1.4,AGC ON).
Signal-to-noise ratio	>55dB
Day/Night Switching Mode	ICR Infrared Filter Type
Lens	
Focal length	F=6~576mm, 96x optical zoom, 16X digital zoom
Lens aperture	F1.3-F4.6
Horizontal field of view	66°-0.79°(wide-angle ~ telescopic)
Close-up distance	100mm~1500mm (Wide-angle - Telescopic)
Shutters	1/25 sec. to 1/100,000 sec.; slow shutter supported
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, H.265+/H.264+
H.265 encoding type	BaseLine Profile / Main Profile / High Profile
H.264 encoding type	BaseLine Profile / Main Profile / High Profile
Video compression bit rate	64Kbps~16Mbps
Audio Compression Standards	G.711A/G.711U/G.726/AAC
Audio compression bit rate	16Kbps(G.711)/ (G.711U)/ (G.726)/(AAC)
Image parameter	
Master Stream Resolution	50Hz: 25fps (2688*1520, 1920*1080, 1280*720), 60Hz: 30fps (2688*1520, 1920*1080, 1280*720).
Second Stream Resolution	Independent of main stream settings, 50Hz: 25fps(720*576, 352*288); 60Hz: 30fps(720*576, 352*288)
Third Stream Resolution	50Hz: 25fps (1280*720, 720*576, 352*288); 60Hz: 30fps (1280*720, 720*576, 352*288).
Image Settings	Brightness, Contrast, Saturation, Sharpness, Chroma, adjustable via browser
BLC	Support, customizable area
Glare suppression	Support, eclipse function
Exposure mode	Auto Exposure/Manual Exposure/Anti-Drag/Low Light Priority/High Light Priority/Aperture Priority/Shutter Priority/Lock Mode
Focus mode	Auto Focus/Manual Focus/Semi-Auto Focus
Regional Focus	Support
Optical Defog	optional
Electronic stabilization	Support
Day/night switching method	Auto, Manual, Image Algorithm, Timing, Serial Trigger
3D noise reduction	Support
Image Overlay	Support BMP 24-bit image overlay, customizable area
Transparency	Automatic, Region Selection
ROI	Supports three streams and four fixed zones.
Network	
Network Protocols	TCP/IP,MTU,HTTP,HTTPS,FTP,DHCP,DDNS,UPNP,RTSP,RTMP,NTP,SMTP,PPP OE
Access Protocol	ONVIF, Support SDK and third-party platform access
General	
Power supply	DC/AC24V
Power consumption	≤100W
Protection class	IP66
Working environment temperature	-40℃~55℃
Humidity of working environment	0~95% (non-condensing)