2KM 90X Optical 4MP integrated PTZ Camera

Key Features

- 4.0MP 1/1.8" Progressive Scan CMOS;

- 2KM Laser distance, 90X Optical Zoom;

- Large diameter high-definition de-fog automatic zoom visible lens, DC drive, auto iris, through the fog, preset;

- Double pitch worm gear transmission structure, electronic anti shake, mechanical anti loosening, power failure self-locking, strong wind resistance and high stability;

- PTZ adopts super aluminum alloy shell, protection class IP66, professional structure design, professional wiper structure, high and low temperature test design, high temperature anti-ice and snow, to adapt to extreme weather;

- Advanced electromagnetic compatibility test, using triple lightning protection technology.

Application

It can be widely used in places that require large-scale high-definition picture quality monitoring, such as: border and coastal defense, rivers, forests, roads, railways, airports, ports, guard posts, squares, stations, large venues, and the periphery of communities.

Technical parameters

Model	
Model No.	SVN-90H830L3-4
Type	2KM 90X Optical zoom 4MP integrated PTZ Camera
Lens	
Focal Length	10.5-945mm, 90X Optical Zoom
Aperture Range	F2.1-F11.2
Horizontal field of view	38.4-0.46°（wide-tele）
Minimum Working distance	1m-10m (wide-tele)
Zoom speed	Approximately 8s(optical lens, wide to tele)
HD Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Minimum Illumination	color:0.0005 Lux @(F2.1,AGC ON);B/W:0.0001Lux @(F2.1,AGC ON)
Shutter	1/25s to 1/100,000s; Supports delayed shutter
Autoiris	Support
Day/Night Switch	IR cut filter

Digital zoom	16X
IR	
Fill light	Laser module
Light emission wavelength	808nm
Laser chip power	10W
Complement distance	2000M
Optical axis fine adjustment	Support remote adjustment
Compression Standard	
Video Compression	H.265 / H.264
H.265 Type	Main Profile
H.264 Type	BaseLine Profile / Main Profile / High Profile
Video Bitrate	32 Kbps~16Mbps
Audio Compression	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM
Audio Bitrate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/16-64Kbps(AAC)
Image(Maximum Resolution：2560*1440)	
Main Stream	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (2560 ×1440, 1920 × 1080, 1280 × 960, 1280 × 720)
	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 60fps (1920 × 1080)
Third Stream	50Hz: 25fps (704 ×576); 60Hz: 30fps (704 ×576)
Image settings	Corridor mode, saturation, brightness, contrast, sharpness adjusted by IE/ Client
BLC	Support
Exposure mode	AE / Aperture Priority / Shutter Priority / Manual Exposure
Focus mode	Auto Focus / One Focus / Manual Focus / Semi-Auto Focus
Area exposure / focus	Support
Optical fog	Support
Image stabilization	Support
Day/Night Switch	Automatic, manual, timing, alarm trigger
3D noise reduction	Support
Picture overlay switch	Support BMP 24-bit image overlay, customizable area
Region of interest	ROI supports three streams and four fixed areas
Network	
Video output	RJ45 Network Port
Storage function	Support Micro SD / SDHC / SDXC card (256G) disconnected local storage, NAS (NFS, SMB / CIFS support)
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IPv6
Interface Protocol	ONVIF(PROFILE S,PROFILE G)
Smart Features(optional)	
Smart detection	Cross-border detection, area intrusion detection, entering / leaving area detection, hovering detection, personnel gathering detection, fast motion detection, parking detection / take detection, scene change detection, audio detection , False focus detection, face detection
Smart wiper	Optional
Fan / heating	Real-time temperature detection; low temperature start, pure physical detection
PTZ parameter	
Pan manual control speed	0.1°/S -- 20°/S
Tilt manual control speed	0.1 °/S -- 10°/S
Pan angle	360° contiously rotation
Tilt angle	+40°~-45°
Positioning accuracy	0.01°±50%

3D function	Support picture frame zoom, target lock the center of the field of view function
Automatic cruise	Support, the focal length matches the PTZ speed
Watch function	On/off, automatically call the preset point after staying in the idle state for a specified time
Communication interface	RS485+RS232
communication protocol	PECLO+VISCA
Angle control	Support
Communication baud rate	Support 2400/4800/9600/19200bps
General specification	
Relative humidity	0~95%
IP grade	IP66
Working temperature	-40 ℃ - 65℃
Power supply	AC24V
Consumption	≤150W
Installation mode	Column mounted, wall mounted, corner mounted
Entry cable	Side outlet
Dimensions (L, W, H)	657(L)x378(W)x610(H)mm
Weight	≤30kg