

# 1KM 92X Optical 1080P

## integrated PTZ Camera



### Key Features

- 2.0MP 1/1.8" Progressive Scan CMOS;
- 1KM Laser distance, 92X Optical Zoom;
- Large diameter high-definition de-fog automatic zoom visible lens, DC drive, auto iris, through the fog, preset;
- Worm gear and worm drive, self-locking protection function when power off, anti-strong wind, stable and reliable operation;
- 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-92PTX905L1-2
Type	1KM 92X Optical zoom 2MP integrated PTZ Camera
Lens	
Focal Length	6.1-561mm, 92X Optical Zoom
Aperture Range	F1.4-F4.7
Horizontal field of view	65.5-0.8° (wide-tele)
Minimum Working distance	100mm-3000m (wide-tele)
Zoom speed	Approximately 7s(optical lens, wide to tele)
HD Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Minimum Illumination	color:0.0005 Lux @(F1.4,AGC ON);B/W:0.0001Lux @(F1.4,AGC ON)
Shutter	1/25s to 1/100,000s; Supports delayed shutter
Autoiris	PIRIS
Day/Night Switch	IR cut filter

<b>IR</b>	
Fill light	Laser module
Light emission wavelength	808nm
Laser chip power	8W
Complement distance	1000M
Optical axis fine adjustment	Support remote adjustment
<b>Compression Standard</b>	
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)
<b>Image(Maximum Resolution: 1920*1080)</b>	
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
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
<b>Network</b>	
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)
<b>Smart Features(optional)</b>	
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
<b>PTZ parameter</b>	
Pan manual control speed	0.1°/S -- 100°/S
Tilt manual control speed	0.1 °/S -- 20°/S
Pan angle	360° contiously rotation
Tilt angle	+40°~-90°
Positioning accuracy	0.1°
Presets	255

Automatic cruise	8 , the focal length matches the speed of the gimbal
Watch function	On/Off, automatically call the preset point after the specified time in the idle state
Baud rate	2400/4800/9600/19200bps
Drive structure	Vertical drive: worm gear / horizontal drive: timing belt
Output port	1 CH alarm output / 1 CH relay output
<b>General specification</b>	
Relative humidity	0~95%
IP grade	IP66
Working temperature	-40 °C - 60 °C
Power supply	DC12V/5A
Consumption	60W
Installation mode	Column mounted, wall mounted, corner mounted
Entry cable	Side outlet
Dimensions (L, W, H)	330(L)x233(W)x433(H)mm
Weight	≤10kg

