

4MP Starlight 42X Optical

IP67 PTZ IP Camera



Key Features

- 42X 4MP 1/1.8" Starlight Progressive Scan CMOS
- Remotely reset the system and upgrade firmware through the network
- Support 12VDC power adapter
- Worm gear and worm drive, with self-locking function
- Protection grade: IP67



Wide range of rotation, high speed

- Pan Range:360° Continuous
- Tilt Range:-90~90°
- Speed(H/V):30°/S



Precision parts for longer life

- Worm gear precision machining
- With self-locking function
- High reliability and long service life



Remote cleaning window, clear image

- Support for configuring water tanks and nozzles
- Support for calling special presets, background control
- Water shortage alarm function



Wide working temperature, Smart defogging

- Built-in temperature control chip, silicone heater
- High temperature:60°C±2°C,Low temperature:-40°C±2°C
- Built-in Smart defrost and defogging parts



Built-in antenna, stainless steel handle

- Built-in 4G/wifi antenna to prevent transportation and construction damage
- Equipped with stainless steel handle, easy to transport and install



Waterproof and breathable, pressure balanced

- 2 waterproof breathable valves built into the shield
- Balanced pressure and better sealing performance

Product Highlight

- High reliability, protection grade IP67;
- Remotely reset the system and upgrade firmware through the network;
- Support GPS/Beidou, dual-mode positioning and time calibration (optional);
- Worm gear and worm drive, with self-locking function



Technical parameters

Model	SVN-42PTX900D-V2
Camera	
Sensor	1/1.8" Starlight Progressive Scan CMOS
Total pixels	4.0MP
Minimum illumination	Color:0.0005 Lux @ (F1.8, AGC ON); B/W:0.0001Lux @ (F1.8, AGC ON)

Shutter	1/25s to 1/100,000s; Support delayed shutter
Aperture	PIRIS
Day/Night Switch	ICR cut filter
Digital zoom	16x
Lens	
Lens focal length	F=6.1~256mm , 42x optical zoom
Lens aperture	F1.35~6.4,automatic / manual
Horizontal Field of View	61.28-2.06° (wide-tele)
Minimum Working Distance	100mm-1500mm (wide-tele)
Zoom Speed	Approximately 4.5s(optical, wide-tele)
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)/16-64 Kbps(AAC)
Image	
Main Stream	50Hz: 25fps (2688*1520, 1920*1080, 1280*960, 1280*720); 60Hz: 30fps (2688*1520, 1920*1080, 1280*960, 1280*720)
Third Stream	50Hz: 25fps (704 x 576); 60Hz: 30fps (704 x 576)
Image Settings	Saturation, Brightness, Contrast and Sharpness can be adjusted via the client-side or browse
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
Defog	Support
Image Stabilization	Support
Day/Night Switch	Automatic, manual, timing, alarm trigger
3D Noise Reduction	Support
WDR	120dB
Picture Overlay Switch	Support BMP 24-bit image overlay, customizable area
Region of Interest	Support three streams and four fixed areas
PTZ	
Pan Range	360° Continuous
Speed (H)	0.1~25°/S
Tilt Range	-90~90°
Speed (V)	0.1~25°/S
Positioning accuracy	0.15°
3D function	supports the functions of picture frame enlargement, target locking and field center
Information display	Time OSD
Automatic cruise	Support, focal length matching with PTZ speed, 8 cruise scans
Watch function	On/off, automatically call the preset point after staying in the idle state for a specified time
Remote upgrade	Support remote upgrade of movement and gimbal at the same time
communication protocol	PECLO+VISCA
Real-time angle return	Support real-time angle return or query angle return function
Angle control	Support
Preset points \ cruise	Support 255 preset positions

storage	Support up to 256g microSD / SDHC / SDXC memory card
Network	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IPv6
Interface Protocol	ONVIF(PROFILE S,PROFILE G)
Intelligent Calculation	0.8T
PTZ Interface	
Communication Interface	1 channel adaptive RJ45 Ethernet port
RS485 controller interface	Support adaptive Pelco-P, Pelco-D and other protocols, baud rate 2400, 4800, 9600, 19200 optional
External input	1 channel alarm input
Output port	1 channel alarm output / 1 channel relay output
Auxiliary function	
Smart wiper	Manual control, speed gear is optional
Fan/heating	Real-time temperature detection, pure physical detection
Waterproof respirator	Built-in 2 waterproof respirators to reduce fog and condensation
GPS positioning	GPS/Beidou, dual-mode positioning and time adjustment (optional)
General	
Power Supply	DC12V/3.0A
Working Environment	-40℃~60℃,0~95%(no condensation)
Protection level	IP67, built-in 4000V lightning protection, anti-surge and anti-surge protection
Installation method	Column, wall, corner
Entry cable	Side outlet
Dimension	L342.0mm×W205.0mm×H290.0mm
Product weight	8kg
Bearing weight	≤3kg (Including module protective cover)
Bearer mode	Side load

