

PNP522A-IR-42X 2 MP 42× Network IR Speed Dome























PerfectView PNP522A-IR-42X 2MP 42× Network IRSpeed Dome adopts 1/1.8" progressive scan CMOS chip.With the 42× optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

- 1/1.8" Progressive Scan CMOS
- High quality imaging with 2 MP resolution
- Excellent low-light performance with DarkFighter technology
- 42× optical zoom and 16× digital zoom provide close up views over expansive areas
- Expansive night view with up to 400 m IR distance
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Supports face capture to detect, capture, grade, and select faces in motion
- Supports road traffic to detect vehicles

- DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	3475.9 m (11403.9 ft.)	1379.3 m (4525.3 ft.)	695.2 m (2280.8 ft.)	347.6 m (1140.4 ft.)

Specification

Camera			
Image Sensor	1/1.8" progressive scan CMOS		
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with IR		
Shutter Speed	1/1 s to 1/30,000 s		
Day & Night	IR cut filter		
Zoom	42x optical, 16x digital		
Max. Resolution	1920 × 1080		
Lens			
Focus	Auto, semi-auto, manual, rapid focus		
Focal Length	6.0 mm to 252 mm		
Zoom Speed	Approx. 4.5 s (optical, wide-tele)		
	Horizontal field of view: 56.6° to 1.7° (wide-tele),		
FOV	Vertical field of view: 33.7° to 0.9° (wide-tele),		
	Diagonal field of view: 63.4° to 1.9° (wide-tele)		
Aperture	Max. F1.2		
Illuminator			
Supplement Light Type	IR		
Supplement Light Range	Up to 400 m		
Smart Supplement Light	Yes		
PTZ			
Movement Range (Pan)	360°		
Movement Range (Tilt)	-20° to 90° (auto flip)		
Pan Speed	Pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s		
Tilt Speed	Tilt speed: configurable from 0.1° to 150°/s, preset speed 250°/s		
Proportional Pan	Yes		
Presets	300		
Patrol Scan	8 patrols, up to 32 presets for each patrol		
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan		
Power-off Memory	Yes		
Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan		
3D Positioning	Yes		
PTZ Status Display	Yes		
Preset Freezing	Yes		

	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan,	
Scheduled Task	panorama scan, dome reboot, dome adjust, aux output	
Video	production of the control of the con	
	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720)	
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)	
	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)	
Sub-Stream	60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)	
	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)	
Third Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)	
	Main stream: H.265+/H.265/H.264+/H.264	
Video Compression	Sub-stream: H.265/H.264/MJPEG	
	Third stream: H.265/H.264/MJPEG	
H.264 Type	Baseline Profile/Main Profile/High Profile	
H.265 Type	Main profile	
Scalable Video Coding (SVC)	H.264 and H.265 encoding	
Region of Interest (ROI)	8 fixed regions for each stream	
Audio		
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM	
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32~192 Kbps (MP2L2)	
Network		
	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP,	
Protocols	RTCP, RTP, TCP/IP, DHCP, PPPoE, UDP, IGMP, ICMP, Bonjour	
API	ISUP, ISAPI, Open Network Video Interface (Profile S, Profile G, Profile T)	
Simultaneous Live View	Up to 20 channels	
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User	
	Password protection, complicated password, HTTPS encryption, 802.1X authentication	
Security	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest	
Security	authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings,	
	security audit log, TLS 1.3, host authentication (MAC address)	
Client	Guarding Vision	
Web Browser	IE11, Chrome 57.0+, Firefox 52.0+, Safari 11+	
Image		
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by	
image Jettings	client software or web browser	
Defog	Optical defog	
Image Enhancement	BLC, HLC, 3D DNR	
Wide Dynamic Range (WDR)	140 dB WDR	
Image Stabilization	Yes. Built-in gyroscope to improve EIS performance.	
Regional Exposure	Yes	
Regional Focus	Yes	
Privacy Mask	Up to 24 masks, polygon region, mosaic mask, mask color configurable	
Interface		
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port; Hi-PoE	
On-board Storage	oard Storage Built-in memory card slot, support MicroSD/MicroSDHC/MicroSDXC, up to 256 GB	
Alarm	7 inputs, 2 outputs	

tion		
Line crossing detection, region entrance detection, parking detection, unattended baggage detection, object removal detection, intrusion detection, region exiting		
detection, vandal-proof alarm, audio exception detection		
Manual tracking, auto-tracking Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record,		
Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send		
Email, etc.		
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CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014+A11:2017),		
BIS (IS 13252(Part 1):2010/ IEC 60950-1: 2005);		
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	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), Lightning Protection, Surge Protection		
Protection	and Voltage Transient Protection, ±6kV Line to Gnd, ±3kV Line to Line		

Available Model

■ PNP522A-IR-42X

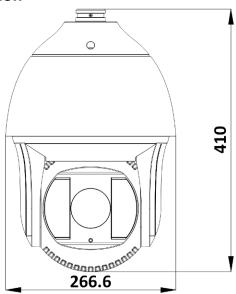
Typical Application

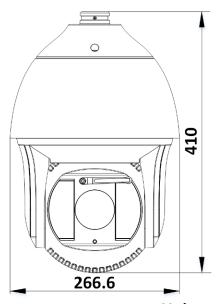
PerfectView products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description		
Top-level protection	PerfectView products at this level are equipped for use in areas where professional		
	anti-corrosion protection is a must. Typical application scenarios include coastlines, docks,		
	chemical plants, andmore.		
Moderate protection	PerfectView products at this level are equipped for use in areas with moderate anti-corrosion		
	demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away		
	from coastlines, as well as areas affected by acid rain.		
No specific protection	PerfectView products at this level are equipped for use in areas where no specific		
	anti-corrosion protection is needed.		

Dimension





Unit: mm

Accessory

Optional

P-602ZJ-pole	P-60ZJ-box	P-60ZJ	P-602ZJ-BOX- POLE	P-662ZJ
	S'S'			
P-60ZJ-BOX- CORNER	P-602ZJ-corner	P-660ZJ	P-602ZJ	P-661ZJ
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