

PNC332-TDM 2 MP IR Fixed Dome Network Camera















- 1/2.8" Progressive Scan CMOS
- 1920 × 1080@60fps
- 2.8/4/6 mm fixed lens
- Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265, H.264,
- 120dB WDR
- 4 Behavior analyses, and face detection

- BLC/3D DNR/ROI/HLC
- IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment
- IR range: Up to 30 m
- Powered by Darkfighter

Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
WDR	120 dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	2.8/4/6 mm
Aperture	F1.6
	2.8 mm, horizontal FOV: 108°, vertical FOV: 58°, diagonal FOV: 128°
FOV	4 mm, horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 103°
	6 mm, horizontal FOV: 52°, vertical FOV: 29°, diagonal FOV: 60°
Lens Mount	M12
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 50fps (1920 × 1080, 1280 × 720)
Wall Stream	60Hz: 60fps (1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)
	60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265/H.264
·	Sub-stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile
H.264+	No
H.265 Type	Main Profile
H.265+	No
Video Bit Rate	32 Kbps to 16 Mbps
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8-320Kbps(MP3)
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz

Smart Event object removal detection, face detection, scene change detection Motion detection, video tampering alarm, exception (network disconnec address conflict, illegal login, HDD full, HDD error) Trigger recording: memory card, network storage, pre-record and post-retringer captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, ISAPI, SDR Network Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser Day/Night Switch Day/Night/Auto/Schedule/Triggered by Alarm In Network MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIF: Together with high-end memory card, memory card encryption and heal detection are supported. TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPF UPnP™, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS API ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1, 2, EAP-LEAP, EAP-MDS), watermark, IP address basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2. Simultaneous Live View Up to 6 channels User/Host Up to 32 users, 3 levels: administrator, operator and user Client Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 57.0+ Local Service: Chrome 57.0+ Local Service: Chrome 57.0+ Local S	Motion detection, video tampering alarm, exception (network disconnected, If address conflict, illegal login, HDD full, HDD error) Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email 1 fixed region for main stream and sub-stream BLC, HLC, 3D DNR Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser Day/Night/Auto/Schedule/Triggered by Alarm In microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), AN Together with high-end memory card, memory card encryption and health detection are supported. TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, N UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication ONVIF, TLS1.2 Up to 6 channels Up to 32 users, 3 levels: administrator, operator and user Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mo	Smart Feat	ıre-Set	
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Together with high-end memory card, memory card encryption and heal detection are supported. TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPF UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS API ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address basic and digest authentication for HTTP/HTTPS, WSSE and digest authen for ONVIF, TLS1.2 Simultaneous Live View Up to 6 channels User/Host Up to 32 users, 3 levels: administrator, operator and user Client Guarding Vision Plug-in required live view: IE8+ Web Browser Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ Interface Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block sound	Together with high-end memory card, memory card encryption and health detection are supported. TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NUPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filte basic and digest authentication for HTTP/HTTPS, WSSE and digest authenticat for ONVIF, TLS1.2 Up to 6 channels Up to 32 users, 3 levels: administrator, operator and user Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mosound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Network		
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API ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address basic and digest authentication for HTTP/HTTPS, WSSE and digest authent for ONVIF, TLS1.2 Simultaneous Live View Up to 6 channels User/Host Up to 32 users, 3 levels: administrator, operator and user Client Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ Interface Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block sound	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication on ONVIF, TLS1.2 Up to 6 channels Up to 32 users, 3 levels: administrator, operator and user Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mosound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Protocols		TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, N
Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2 Simultaneous Live View Up to 6 channels User/Host Up to 32 users, 3 levels: administrator, operator and user Client Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ Interface Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port Audio Audio	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter basic and digest authentication for HTTP/HTTPS, WSSE and digest authenticate for ONVIF, TLS1.2 Up to 6 channels Up to 32 users, 3 levels: administrator, operator and user Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mosound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	API		
User/Host Up to 32 users, 3 levels: administrator, operator and user Client Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ Interface Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block sound	Up to 32 users, 3 levels: administrator, operator and user Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mossound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Security		Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter basic and digest authentication for HTTP/HTTPS, WSSE and digest authenticat
Client Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ Interface Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block sound	Guarding Vision Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mosound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Simultaneo	us Live View	Up to 6 channels
Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ Interface Communication Interface	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mossound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	User/Host		Up to 32 users, 3 levels: administrator, operator and user
Web Browser Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ Interface Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block sound	Plug-in free live view: Chrome 57.0+ Local Service: Chrome 41.0+ 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mosound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Client		Guarding Vision
Communication Interface 1 RJ45 10M/100M self-adaptive Ethernet port 1 input (line in/mic in, terminal block), 1 output (two-core terminal block sound	1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mosound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Web Brows	er	Plug-in free live view: Chrome 57.0+
Audio 1 input (line in/mic in, terminal block), 1 output (two-core terminal block sound	1 input (line in/mic in, terminal block), 1 output (two-core terminal block), mosound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Interface		
Audio	sound 1 input, 1 output (max. 12VDC, 30 mA) 1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Communic	tion Interface	1 RJ45 10M/100M self-adaptive Ethernet port
	1 HDMI™, type D, female plug (-M) Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Audio		
Alarm 1 input, 1 output (max. 12VDC, 30 mA)	Built-in micro SD/SDHC/SDXC slot, up to 128 GB	Alarm		1 input, 1 output (max. 12VDC, 30 mA)
Video Output 1 HDMI™, type D, female plug (-M)		Video Outp	ut	1 HDMI™, type D, female plug (-M)
On-board storage Built-in micro SD/SDHC/SDXC slot, up to 128 GB	1030 v. 1000 @F0/c0 fra/F0/c0 U-) 1300 v. 730 @F0/c0 f. /F0/c0 V.)	On-board s	orage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB

General	
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	Anti-flicker, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening
Reset	Reset via reset button on camera body, web browser and client software
Startup and Operating Conditions	IR on: -10 °C to 40 °C (14 °F to 104 °F), humidity 95% or less (non-condensing) IR off: -10 °C to 50 °C (14 °F to 122 °F), humidity 95% or less (non-condensing)
Storage Conditions	-10 °C to 40 °C (14 °F to 104 °F), humidity 95% or less (non-condensing)
Power Supply	Socket style interface: 12 VDC \pm 25%, Φ 5.5 mm coaxial power plug; reverse polarity protection; PoE (802.3af, class 3) Pigtail style interface: 12 VDC \pm 25%, two-core terminal block; reverse polarity protection; PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.6 A, max. 7 W; PoE (802.3af, 36 V to 57 V), 0.3 A to 0.2 A, max. 8. 5W
Material	Metal
Dimensions	Camera: Φ 119 × 90 mm (Φ 4.7" × 3.5")
Weight	Camera: Approx. 520 g (1.1 lb.) With package: Approx. 750 g (1.7 lb.)
Approval	
EMC	47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015
Safety	UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015
Chemistry	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006
Protection	Ingress protection: IP42(IEC 60529-2013), IK10 (IEC 62262:2002)

^{*} Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

Available Model

PNC332-TDM

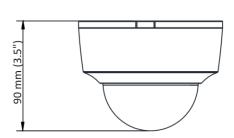
Typical Application

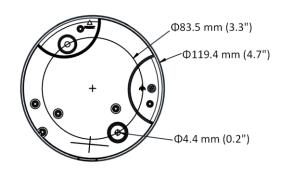
Perfect View products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Perfect View 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, and more.
Moderate protection	Perfect View products at this level are equipped for use in areas with moderate
	anti-corrosiondemands. 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	Perfect View products at this level are equipped for use in areas where no
	specificanti-corrosion protection is needed.

Dimension





Accessory



P-271ZJ-120 Pendant Mount



P-272ZJ-120B Wall Mount



P-272ZJ-120-TR15 Wall Mount



P-280ZJ-DM46
Junction Box