

PT-NC346P1-WNRAM(D2)

4 MP Smart Dual Light Varifocal Bullet Network Camera



## Highlights

- **High-Quality Imaging:** 4MP resolution ensures superior image quality
- **Efficient Compression:** Efficient H.265 compression technology saves bandwidth and storage
- **Advanced DNR Technology:** 3D DNR technology delivers clean and sharp images
- **Superior Imaging in Backlight:** Clear imaging against strong back light due to 120 dB true WDR technology
- **Motorized Focus Lens:** Simplifies both installation and monitoring
- **Easy Installation:** Features PoE technology for easy installation
- **Durable Design:** Water and dust resistant (IP67) and vandal-resistant (IK10) for robust protection

## Specification

Camera	
Image Sensor	1/2.9 inch Progressive Scan CMOS
Max. Resolution	2560 × 1440
Shutter Time	1/3 s to 1/100,000 s
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with light
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Motorized varifocal lens, 2.7 to 13.5 mm
Focal Length & FOV	2.7 to 13.5 mm, horizontal FOV 96.7° to 29.7°, vertical FOV 51.7° to 16.7°, diagonal FOV 114.3° to 34.0°
Lens Mount	Ø14
Iris Type	Fixed
Aperture	Max. F1.6
Depth of Field	Wide: 1 m to ∞ Tele: 4.1m to ∞
DORI	
DORI	Wide: D: 64 m, O: 25.4 m, R: 12.8 m, I: 6.4 m Tele: D: 198 m, O: 78.6 m, R: 39.6 m, I: 19.8 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 50 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (2560 × 1440); 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440); 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360)
Video Compression	Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream and sub-stream

Audio	
Audio Type	Mono sound
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Network	
Security	Password protection, complicated password, HTTPS encryption, watermark, digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTSP over HTTPS, TLS 1.3
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile T, Profile G)
Protocols	TCP/IP, UDP, Multicast, NTP, DDNS, SNMP, QoS, DHCP, IPv4, IPv6, DNS, HTTPS, RTSP, SRTP/RTSPS, Bonjour, NAT, RTCP, UPnP, ONVIF, SSH, SMTP, ARP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support micro SD/micro SDHC/micro SDXC card, up to 512 GB
Audio	Built-in Microphone 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium
Alarm	1 input, 1 output (max. 12 VDC, 30 mA)
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Line crossing detection, intrusion detection
Linkage	Upload to FTP/SFTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning

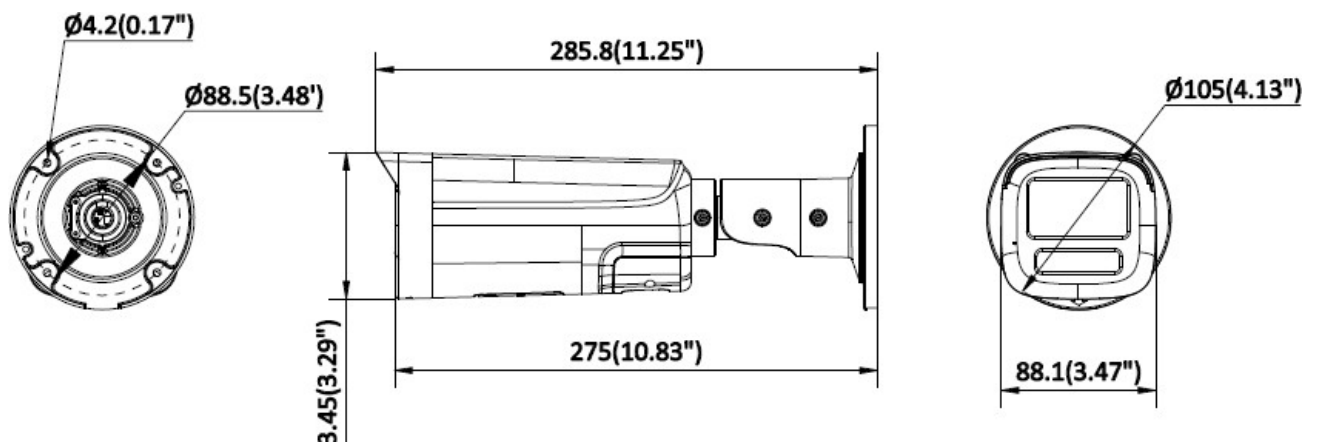
General	
Language	English, Hindi
Power	12 VDC $\pm$ 25%, 0.9 A, max. 10.8 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection PoE: IEEE 802.3af, Class 3, max. 12.9 W
Material	Metal
Dimension	$\varnothing$ 105 mm $\times$ 285.8 mm ( $\varnothing$ 4.13 inch $\times$ 11.25 inch)
Package Dimension	280 mm $\times$ 135 mm $\times$ 135 mm (11.0 inch $\times$ 5.3 inch $\times$ 5.3 inch)
Weight	Approx. 962 g
With Package Weight	Approx. 1282 g
Storage Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
General Function	Heartbeat, mirror, password reset via email, pixel counter, password protection
Protection	IP67, IK10

\*Specifications are subject to change without prior notice. \*Product picture may differ as per actual.

## Available Model

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## Dimension



Unit: mm(inch)