

PT-NC321P1-WNAMS(D2) 2 MP Smart Dual Light Fixed Dome Network Camera



Highlights

- **High-Quality Imaging:** 2MP resolution ensures superior image quality
- **Target Classification:** Focus on human and vehicle classification based on advanced intelligent algorithms
- **Smart Dual Light:** Advanced technology with long range
- **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
- **Audio Security:** Built-in microphone for real-time audio security
- **On-Board Storage:** Supports storage up to 512 GB (SD card slot)
- **Durable Design:** Water and dust resistant (IP67)

Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2.4 inch Progressive Scan CMOS |
| Max. Resolution | 1920 × 1080 |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR |
| Shutter Time | 1/3 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° |
| Lens | |
| Lens Type | Fixed focal lens, 2.8 mm |
| Focal Length & FOV | 2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Aperture | F1.6 |
| DORI | |
| DORI | 2.8 mm, D: 76 m, O: 30 m, R: 15 m, I: 7 m |
| Illuminator | |
| Supplement Light Type | IR, White Light |
| Supplement Light Range | Up to 30 m |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| Video | |
| Main Stream | 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (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/AAC-LC |
| Audio Bit Rate | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/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 Open Network Video Interface, RTSP over HTTPS, TLS 1.3 |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile T, Profile G) |
| Protocols | TCP/IP, ICMP, IGMP, UDP, Multicast, NTP, DDNS, SNMP, QoS, DHCP, IPv4, IPv6, DNS, HTTP, 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 microSD/microSDHC/microSDXC card, up to 512 GB |
| Alarm | 1 input, 1 output (max. 12 VDC, 30 mA) |
| Audio | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium |
| Built-in Microphone | Yes, 1 built-in microphone |
| 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 |
| General | |
| Language | English, Hindi |
| Power | 12 VDC \pm 25%, 0.5 A, max. 6 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 7.5 W |
| Material | Base: aluminum alloy, cover: plastic |
| Dimension | \varnothing 121.5 mm \times 97.6 mm (\varnothing 4.78 inch \times 3.84 inch) |
| Package Dimension | 150 mm \times 150 mm \times 141 mm (5.91 inch \times 5.91 inch \times 5.55 inch) |
| Weight | Approx. 495 g (1.1 lb.) |
| With Package Weight | Approx. 705 g (1.6 lb.) |
| 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 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) |
| General Function | Heartbeat, mirror, flash log, password reset via email, pixel counter, password protection, anti-banding |
| Approval | |
| Protection | IP67 |

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

Available Model

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Dimension

