

## PT-NC343P7-WNMS/AW(D2)

4 MP Ranginview Series Fixed Turret Network Camera with Audio and Strobe Light



**Ranginview**



### Highlights

- **High-Quality Imaging:** 4MP 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
- **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                | 1/3 inch Progressive Scan CMOS  |
| Max. Resolution             | 2560 × 1440   |
| Min. Illumination           | Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light   |
| Shutter Time                | 1/3 s to 1/100,000 s  |
| Day & Night                 | IR cut filter   |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°  |
| Lens                        |   |
| Lens Type                   | Fixed focal lens, 2.8 and 4 mm optional   |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 96°, vertical FOV 52°, diagonal FOV 114°<br>4 mm, horizontal FOV 80°, vertical FOV 43°, diagonal FOV 93° |
| Lens Mount                  | M12   |
| Iris Type                   | Fixed   |
| Aperture                    | F1.0  |
| DORI                        |   |
| DORI                        | 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m<br>4 mm, D: 77 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: 20 fps (2560 × 1440); 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 20 fps (2560 × 1440); 24 fps (1920 × 1080, 1280 × 720)  |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)                            |
| Third Stream                | 50 Hz: 1 fps (640 × 360)<br>60 Hz: 1 fps (640 × 360)  |
| Video Compression           | Main stream: H.265/H.264,<br>Sub-stream: H.265/H.264/MJPEG<br>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  |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding  |
| Region of Interest (ROI)    | 1 fixed region for main stream and sub-stream   |
| Audio                       |   |
| Audio Type                  | Mono sound  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC  |
| Audio Bit Rate              | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)                                 |

|                             |   |
|-----------------------------|---|
| Audio Sampling Rate         | 8 kHz/16 kHz  |
| Environment Noise Filtering | Yes   |
| <b>Network</b>              |   |
| Protocols                   | TCP/IP, UDP, IPv4, IPv6, Multicast, DDNS, SNMP, QoS, HTTP, HTTPS, RTSP, SRTP/RTSPS, Bonjour, NAT, RTCP, ONVIF, SSH, UPnP, NTP, DNS, SMTP, ARP |
| Simultaneous Live View      | Up to 6 channels  |
| API                         | ONVIF (Profile S, Profile T, Profile G)   |
| Security                    | Password protection, complicated password, watermark, digest authentication for HTTP, WSSE and digest authentication for ONVIF, TLS 1.3       |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator, and user  |
| Web Browser                 | Plug-in required live view: IE 10, IE 11,<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+   |
| <b>Image</b>                |   |
| Image Settings              | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                   |
| Day/Night Switch            | Day, Night, Auto, Schedule  |
| Wide Dynamic Range (WDR)    | 120 dB  |
| SNR                         | ≥ 52 dB   |
| Image Enhancement           | BLC, HLC, 3D DNR  |
| Privacy Mask                | 4 programmable polygon privacy masks  |
| <b>Interface</b>            |   |
| 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  |
| Built-in Microphone         | Yes   |
| Built-in Speaker            | 1 built-in speaker,<br>Max. power consumption: 2 W, max. sound pressure level: 10 cm: 101 dB  |
| Reset Key                   | Yes   |
| <b>Event</b>                |   |
| 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 (support alarm triggering by specified target types (human and vehicle))                         |
| Linkage                     | Upload to FTP/SFTP/memory card, trigger recording, notify surveillance center, send email, trigger capture, audible warning, flashing light   |
| <b>General</b>              |   |
| Language                    | English, Hindi  |
| Power                       | 12 VDC ± 25%, 0.6 A, max. 7.2 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 8.7 W           |
| Material                    | Metal & Plastic   |
| Dimension                   | Ø128.2 mm × 107 mm (Ø5.05 inch × 4.21 inch)   |
| Package Dimension           | 150 mm × 150 mm × 141 mm (5.91 inch × 5.91 inch × 5.55 inch)  |
| Weight                      | Approx. 600 g   |

|                                  |  |
|----------------------------------|--|
| With Package Weight              | Approx. 840 g  |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °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, anti-banding, mirror, password reset via email, password protection |
| Flashing Light                   | White Light  |
| Protection                       | IP67   |

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

## Available Model

PT-NC343P7-WNMS/AW(D2)

## Dimension

