

PT-NC143D7-WNMS/AW(D2)

4 MP Ranginview series Dual Light Fixed Turret Network Camera



Ranginview



Highlights

- **High-Quality Imaging:** 4MP resolution ensures superior image quality.
- **Advanced Imaging:** 24/7 colorful imaging
- **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
- **Enhanced Security:** Provide real-time security via built-in two-way audio and strobe light alarm
- **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° 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 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) 60 Hz: 20 fps (2560 × 1440) 24 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
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
Scalable Video Coding (SVC)	H.264 and H.265 encoding
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
Network	
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, SMTP
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T)
Security	Password protection, complicated password, watermark, digest authentication for HTTP, WSSE and digest authentication for ONVIF, security audit log
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	
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
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
Built-in Microphone	Yes, 1 built-in microphone
Built-in Speaker	1 built-in speaker, Max. power consumption: 2 W, max. sound pressure level: 10 cm: 101 dB
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (person and vehicle)), video tampering alarm, exception
Linkage	Upload to memory card, trigger recording, notify surveillance center, send email, trigger capture
General	
Power	12 VDC ± 25%, 0.6 A, max. 7.2 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8.7 W
Material	Metal & Plastic
Dimension	Ø116 mm × 102.4 mm (Ø4.57 inch × 4.03 inch)
Package Dimension	150 mm × 150 mm × 141 mm (5.91 inch × 5.91 inch × 5.55 inch)
Weight	Approx. 400 g
With Package Weight	Approx. 646 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, mirror, flash log, password reset via email, password protection, anti-banding
Flashing Light	White Light
Protection	IP67

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

Available Model

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Dimension

