

PT-NC163D3-WNMS/AW (D2) 6 MP Dual Light Fixed Turret Network Camera



Highlights

- **High-Quality Imaging:** 6MP 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
- **On-Board Storage:** Supports storage up to 512 GB (SD card slot)
- **Audio Security:** Provide real-time security via built-in two-way audio
- **Durable Design:** Water and dust resistant (IP67)

Specification

Camera	
Image Sensor	1/2.4 inch Progressive Scan CMOS
Max. Resolution	3200 × 1800
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 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 4 mm optional
Focal Length & FOV	4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	4 mm, D: 115 m, O: 45 m, R: 23 m, I: 11 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 (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 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
Audio	
Audio Type	Mono sound
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
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, watermark, digest authentication for HTTP, WSSE and digest authentication for ONVIF, 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, HTTP, HTTPS, RTSP, SRTP/RTSPS, Bonjour, NAT, RTCP, UPnP, ONVIF, SSH, SMTP
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
Built-in Microphone	Yes, 1 built-in microphone
Built-in Speaker	Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 95 dB
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/SFTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, flashing light
General	
Power	12 VDC ± 25%, 0.66 A, max. 7.92 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: IEEE 802.3af, Class 3, max. 9.5 W
Material	Metal & Plastic
Dimension	Ø116 mm × 102.4 mm (Ø4.57 inch × 4.03 inch)
Package Dimension	150 mm × 150 mm × 141 mm (5.9 inch × 5.9 inch × 5.6 inch)
Weight	Approx. 340 g
With Package Weight	Approx. 560 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 protection, password reset via email
Flashing Light	Yes
Protection	IP67

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

Available Model

PT-NC163D3-WNMS/AW (D2)

Dimension

