

HNC3I249E-ASN1/28

4MP Full-Color Fixed-Focal Dome Network Camera

Full-Color



With advanced deep learning algorithm, Diamond Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this series camera provides a better image effect in the condition of low illuminance.



MODEL(S) AVAILABLE

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KEY FEATURES

- ▶ 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- ▶ Outputs max. 4MP (2688 × 1520) @ 30 fps
- ▶ H.265 codec, high compression rate, low bit rate
- ▶ ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- ▶ Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- ▶ Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- ▶ Alarm In/Out: 1/1; Audio In/Out: 1/1
- ▶ Supports max. 256 GB Micro SD card
- ▶ 12 V DC / PoE power support
- ▶ IP67, IK10 protection
- ▶ SMD+

Product Specifications

Camera	
Image Sensor	1/1.2.7" 4MP Progressive CMOS
Image Resolution	2688 (H) × 1520 (V)
ROM	128 MB
RAM	512 MB
Electronic Shutter	Auto/Manual 1/3 s ~ 1/100,000 s
Minimum Illumination	0.003 Lux @ F1.0
S/N Ratio	> 56 dB
IR LEDs	N/A
IR Distance	N/A
Illuminator On/Off Control	N/A
Lens Type	Fixed-focal
Focal Length	2.8 mm
Angle of View	Horizontal: 103°
	Vertical: 53°
	Diagonal: 122°
Max. Aperture	F1.0
Close Focus Distance	3.9 ft (1.2 m)
Pan / Tilt / Rotation	Pan: 0°~355° / Tilt: 0°~65° / Rotation: 0°~355°

Intelligent	
Perimeter Protection	Tripwire; Intrusion (Recognition of human and vehicle)
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

Video Standard	
Video Compression	H.265/H.264/H.264H/H.264B/MJPEG (Sub stream only)
Smart Codec	Smart H.265+ / Smart H.264+
Video Frame Rate	Main stream: 2688 × 1520 @ 1–25/30 fps
	Sub stream: 704 × 576 @ 1–25 fps / 704 × 480 @ 1–30 fps
	Third stream: 1280 × 720 @ 1–25/30 fps
Streaming Capability	3 Streams
Video Resolution	4M (2688 × 1520); 3M (2304 × 1296); 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288 / 352 × 240)
Bit Rate Control	CBR; VBR
Video Bitrate	H264: 3 Kbps ~ 8192 Kbps H265: 3 Kbps ~ 8192 Kbps
Day / Night	Color / B / W
BLC Mode	Yes
HLC Mode	N/A
Wide Dynamic Range	120 dB true WDR
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Regional Custom
Gain Control	Auto / Manual
Digital Noise Reduction	3D DNR
Motion Detection	On / Off (4 areas, rectangular)
Region of Interest	4
Smart Illumination	N/A

Defog	N/A
Exposure Mode	N/A
Mirror	Yes
Privacy Masking	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower)

Network & Interface	
Ethernet	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; SNMP
Network Interoperability	ONVIF(Profile S/Profile G); CGI; P2P; Milestone; Genetec
Scene Self-Adaptation	Yes
Streaming Method	N/A
Network Max. Users	20 (Total bandwidth: 64 M)
Storage	FTP; SFTP; Micro SD Card Slot (support max. 256 GB)
Web Viewer	IE / Chrome / Firefox
Management Software	Smart PSS/ DSS / DMSS
Mobile	iOS / Android
BNC	N/A
Audio I/O	1/1, RCA port
Alarm I/O	1/1
Audio Compression	G.711a; G.711Mu; G726; AAC
RS485	N/A
Built-in MIC	N/A

General	
Power Supply	12 V DC / PoE
Power Consumption	< 4.4 W
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F) / ≤ 95% RH
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Protection	IP67; IK10
Casing	Metal
Dimensions	81 mm × Φ 109.9 mm (3.2" × Φ 4.3")
Net Weight	378 g (0.8 lb)
Gross Weight	523 g (1.2 lb)
Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Product Specifications

Product Accessories



PFA136



PFA152-E



PFB203W



PFA106



PFB220C

Product Dimensions (mm [inch])

