HNC5I251R1-ASPV/28

5MP Fixed-focal Dome Network Camera

With starlight solution and deep learning algorithm, ENS Diamond Series network camera has various intelligent functions, including face capture, perimeter protection and people counting, which greatly improve the accuracy of video analysis. The R1 series camera is water resistant and vandal proof, complying with IP67 and IK10 standards.

MODEL(S) AVAILABLE

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KEY FEATURES

▸ 5MP, 1/2.7" CMOS image sensor, low lux, high definition image

▸ Max output of 5MP (2592 × 1944) @20 fps, and supports (2688 × 1520) @ 25/30 fps

▸ Built-in high-efficiency warm light and IR LED with Max. IR distance: 30m (98ft)

▸ ROI, SMART H.264+/H.265+, flexible coding

▸ Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking

▸ Starlight/Starlight+

▸ Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card, built-in mic and speaker.

▸ 12V DC/PoE power supply

▸ IP67, IK10 protection

Product Specifications

Camera	
Image Sensor	1/2.7" 5MP progressive scan CMOS
Image Resolution	2592(H) × 1944(V)
ROM/RAM	128MB / 512MB
Electronic Shutter	Auto / Manual, 1/3s ~ 1/100,000s
Minimum Illumination	0.005Lux@F1.6
S/N Ratio	> 56dB
IR LEDs	2 (IR LED); 1 (Warm light)
Smart IR	Support
IR Distance	Distance up to 30m (98ft)
IR On/Off Control	Auto / Manual
Lens Type	Fixed-focal
Iris Type	Auto
Mount Type	M12
Focal Length	2.8mm
Angle of View	Horizontal: 98° ; Vertical: 71° ; Diagnal: 129°
Max. Aperture	F1.6
Day / Night	Auto (ICR) / Color / B / W
Optical Zoom	N/A
Close Focus Distance	0.9m (3.0ft)
Pan / Tilt / Rotation	Pan:0°~355°; Tilt:0°~80°; Rotation:0°~355°

Compression Standards	
Video Compression	H,265+ / H.264+ / H.265 / H.264 / MJPEG
Smart Codec	Smart H.265+ / Smart H.264+
Streaming Capability	3 Streams
Video Frame Rate	Main Stream: 2688×1520@1~25/30fps Sub Stream: 704×576@1~25; 704×480@1~30fps Third Stream: 1280×720@1~25/30fps
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)
Video Bitrate	H264: 3Kbps~8192Kbps H265: 3Kbps~8192Kbps

Image and Feature Support	
BLC Mode	Yes
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Custom
Gain Control	Auto / Manual
Digital Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone)
Region of Interest	Off / On (4 Zone)
Smart Illumination	Yes
Electronic Image Stabilization	N/A
Defog	Yes
Digital Zoom	N/A
Flip	N/A
Mirror	Yes
Privacy Masking	Yes (4 Areas)
Image Rotation	0° / 90° / 180° / 270°

IPC Alarm	1/1
Alarm Input	1 channel in: 5mA 3V-5V DC
Alarm Output	1 channel out: 300mA 12V DC
Audio Compression	PCM; G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G.722.1; G.729; G.723
Built-in MIC	Yes

Intelligent	
AI Perimeter Protection	N/A
Advanced AI Functions	N/A
IVS	Abandoned object; missing object
Heat Map	Yes
IVS (Perimeter Protection)	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection
Face Detection	Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; time optimization setting
People Counting	Supports people counting, customer flow of both those who enter and leave, report display for daily/weekly/monthly/yearly count. Supports counting of those in monitored area, with configuration rules. People counting, duration time, and link alarm support. Supports queue management with configuration rules.
Intelligent Search	Work together with Smart NVR to perform and refine intelligent search, event extraction, and merging to event videos.

Network & Interface	
Ethernet	RJ-45 (10/100 Base-T)
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; SAMBA; PPPoE; 802.1x; SNMP
Network Interoperability	ONVIF (Profile S/G/T); CGI; Milestone; Genetec
Streaming Method	N/A
Network Max. Users	20 (Total bandwidth: 80MB)
Storage	FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
Web Viewer	IE, Chrome, Firefox
Management Software	Smart PSS, DSS, DMSS
Mobile	IOS, Android
Video Output	N/A
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
Audio Interface	1/1
RS485	N/A

General	
Power Supply	12V DC / PoE (802.3af)
Power Consumption	< 8.6W
Operating Temperature	-40 ~ 60°C (-40 ~ 140°F) / Less than 95% RH
Storage Temperature	-40 ~ 60°C (-22 ~ 140°F)

Ingress Protection	IP67; IK10
Casing	Metal
Dimensions	Φ126mm × 105mm (Φ5.0" x 4.13")
Net Weight	716.4g (1.6lb)
Gross Weight	929.7g (2.04lb)

Product Accessories

PFA152-E

PFB203W

PFA137

PFB220C

Product Dimensions (mm [inch])

61.6 [2.43]

105.0 [4.13]

Φ 126.0 [Φ 4.96]

Φ 4.5 [Φ 0.18]

Φ 110.0 [Φ 4.33]

FRONT