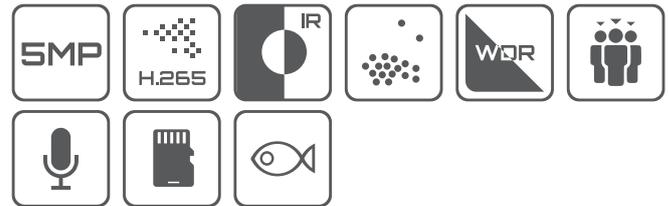


# HNC5I451-AS

5MP IR Fisheye Network Camera



The Diamond Series is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, this series provides precise, reliable and comprehensive AI solutions for verticals.



## MODEL(S) AVAILABLE

HNC5I451-AS

## KEY FEATURES

- ▶ 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- ▶ Outputs max. 5MP (2592 × 1944) @ 25/30 fps
- ▶ H.265 codec, high compression rate, ultra-low bit rate
- ▶ Built-in efficient IR illuminator, and the max. illumination distance: 32 ft (10 m)
- ▶ ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- ▶ 120dB WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- ▶ Intelligent detection: Intrusion, tripwire, people counting
- ▶ Alarm In/Out: 1/1; Audio In/Out: 1/1;
- ▶ Supports max. 256 GB Micro SD card, built-in Mic
- ▶ 12V DC/PoE power supply, easy for installation
- ▶ Heat map for people counting. You can adjust the number of people, time threshold to generate a heat map, which can be exported.

## Product Specifications

Camera	
Image Sensor	1/2.7" 5MP Progressive Scan CMOS
Image Resolution	2592 (H) × 1944 (V)
ROM	128 MB
RAM	512 MB
Electronic Shutter	Auto/Manual 1/3 s ~ 1/100,000 s
Minimum Illumination	0.006 Lux @ F2.0
S/N Ratio	> 56 dB
IR LEDs	3
IR Distance	32.8 ft (10 m)
Illuminator On/Off Control	Auto / Manual
Lens Type	Fixed
Focal Length	1.4 mm
Angle of View	Horizontal: 180°
	Vertical: 180°
	Diagonal: 180°
Max. Aperture	F2.0
Close Focus Distance	0.7 ft (0.2 m)
Pan / Tilt / Rotation	N/A

Smart Event	
Heat Map	Yes

Intelligent	
IVS (Perimeter Protection)	Tripwire, Intrusion (Human & Vehicle classification)
People Counting	Support people counting in area, and displaying and outputting yearly/monthly/daily reports (matching devices are needed); support people counting in 4 areas
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	<b>Main stream:</b> 2592 × 1944 @ 25/30 fps
	<b>Sub stream:</b> 704 × 576 @ 25 fps / 704 × 480 @ 30 fps
	<b>Third:</b> 1280 × 720 @ 25/30 fps
Streaming Capability	3 Streams
Video Resolution	5M (2592 × 1944); 3M (2048 × 1536); UXGA (1600 × 1200); 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	Auto (ICR); Color; B/W
BLC Mode	Yes
HLC Mode	Yes
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
Scene Self-adaptation	Yes
Smart Illumination	Yes
Defog	N/A
Exposure Mode	N/A
Privacy Masking	Yes

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; GMP; NFS; PPPoE; 802.1x; SNMP
Network Interoperability	ONVIF(Profile S/Profile G); CGI; P2P; Milestone; Genetec
Streaming Method	N/A
Network Max. Users	20
Storage	NAS; 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
Alarm I/O	1/1
Audio Compression	PCM; G.711a; G.711Mu; G726; AAC
Built-in MIC	Yes

General	
Power Supply	12 V DC / PoE (IEEE 802.3af, class 0)
Power Consumption	Basic power consumption: 3.6 W (12 V DC); 4.4 W (PoE) Max. power consumption (H.265 + IR on+ intelligent function + WDR): 7.3 W (12 V DC); 8.8 W (PoE)
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F) / ≤ 95% RH
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Protection	N/A
Casing	Metal and Plastic
Dimensions	44.6 mm × ø 126.2 mm (1.8" × ø 5.0")
Net Weight	299 g (0.7 lb)
Gross Weight	441 g (1.0 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

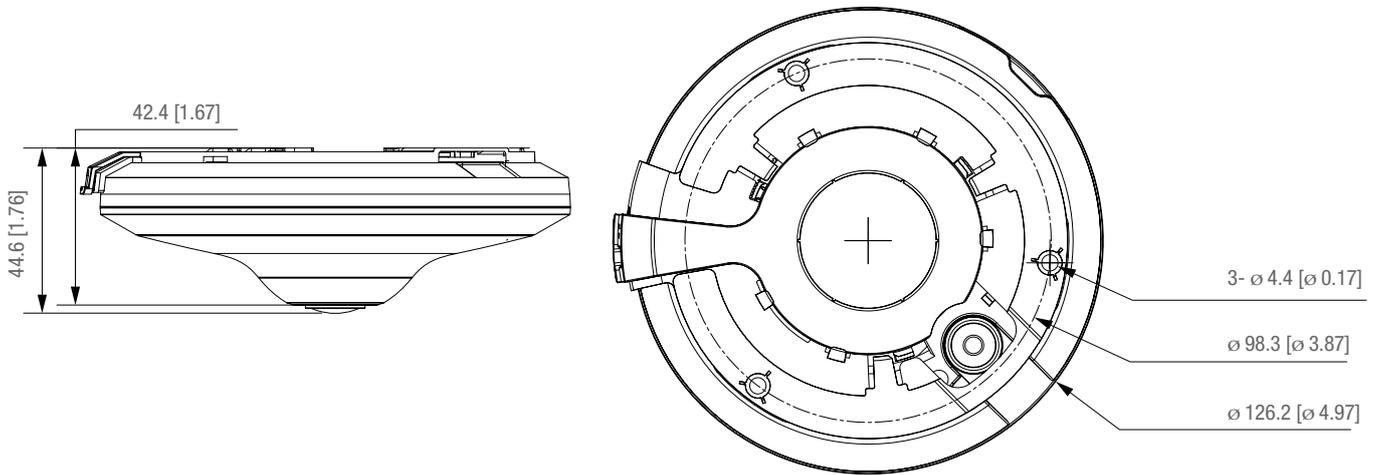


PFB203W



PFA152-E

Product Dimensions ( mm [inch] )



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