



HNC5I142T-IRASE-28-S3

8MP IR Fixed-focal Bullet Network Camera



Functions

AI-Powered Image

With AI ISP technology, the camera is able to easily adapt to scenes, producing high quality images that reveal the fine details of targets.

Perimeter Protection

With deep learning algorithm, Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

Face Detection

Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

Smart Sound Detection

With deep learning algorithms, Smart Sound Detection technology can detect and identify the sound of screams, glass breaking, and more.

- 4-MP 1/1.8" CMOS image sensor, low luminance, and high definition image.
- · Outputs max. 4 MP (2688×1520) @25/30fps.
- Built-in IR LED, and the max. illumination distance is 80 m.
- ROI, SVC, SMART H.264+/H.265+, AI H.264/H.265, encoding after filter, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- With deep learning algorithm, it supports: video metadata, smart sound detection, IVS, face detection, smart object detection, and people counting, etc.
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 512 GB Micro SD card, built-in MIC.
- 12 VDC/PoE power supply; ePoE.
- IP67 and IK10 protection.
- SMD 3.0.













People Counting

With deep learning algorithm, People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs reports to meet your requirements.

Video Metadata

With deep learning algorithm, Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

Cyber Security

Diamond network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

Protection (IP67, IK10, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normally after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



Technical Specification								Face detection; track; snapshot; snapshot optimization;
Camera								optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6
Image Sensor		1/1.8" CMOS					Face Detection	attributes and 8 expressions; face snapshot set as face, one-inch photo or custom; snapshot strategies (real-time snapshot strategies)
Max. Resolution		2688 (H) × 1520 (V)						snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting.
ROM		4 GB					People Counting	Tripwire people counting, generating and exporting report (day/week/month/year); people counting in area and queue management, generating and exporting report (day/week/month); 4 rules can be set for tripwir
RAM		1 GB						
Scanning System		Progressive					Heat Map	people counting in area and queue management. Yes
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s						Motor vehicle, non-motor vehicle, face, human body
Min. Illumination		0.0007 lux@F1.6 (Color, 30 IRE) 0.0004 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)					Video Metadata	detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard.
S/N Ratio		>56 dB						
Illumination Distance		Up to 80 m (262.47 ft) (IR)						
Illuminator On/Off Control		Auto;Manual						
Illuminator Number		4 (IR LED) Pan: 0°–360°					Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to even videos
Angle Adjustment		Tilt: 0°–90° Rotation: 0°–360°					Smart Sound Detection	Yes
Lens							Video	
Lens Type		Fixed-focal					Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Lens Mount		M12					Smart Codec	Smart H.265+; Smart H.264+
Focal Length		2.8 mm; 3.6 mm; 6 mm					Al Coding	AI H.265; AI H.264
Max. Aperture		F1.6						Main stream: 2688 × 1520 (1 fps–25/30 fps) /1920 × 1080 (1 fps–50/60 fps)
Field of View		2.8 mm: H: 112°; V: 58°; D: 139° 3.6 mm: H: 88°; V: 50°; D: 102° 6 mm: H: 61°; V: 35°; D: 69°					Video Frame Rate	Sub stream: D1@(1–25/30 fps) Third stream: 1080p@(1–25/30 fps) Fourth stream: 720p@(1–25/30 fps)
Iris Control		Fixed						*The values above are the max. frame rates of each stream; for multiple streams, the values will be subject to the total encoding capacity.
Close Focus Distance		2.8 mm: 1.3 m (4.27 ft) 3.6 mm: 1.5 m (4.92 ft)					Stream Capability	4 streams
	Lens	6 mm: 3.0 m (9.84 ft) Detect Observe Recognize Identify					Resolution	4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1535); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 ×
		61.5 m	24.6 m	12.3 m	6.2 m		Bit Rate Control	480); VGA (640 × 480); CIF (352 × 288/352 × 240) CBR/VBR
DORI	2.8 mm	(201.77 ft)	(80.71 ft)	(40.35 ft)	(20.34 ft)			H.264: 32 kbps–16384 kbps
Distance	3.6 mm	67.6 m (221.78 ft)	27.0 m (88.58 ft)	13.5 m (44.29 ft)	6.8 m (22.31 ft)		Video Bit Rate	H.265: 12 kbps-11008 kbps
	6 mm	96.6 m (316.93 ft)	38.6 m (126.64 ft)	19.3 m (63.32 ft)	9.7 m (31.82 ft)		Day/Night	Auto(ICR)/Color/B/W
Intelligence						BLC	Yes	
IVS (Perimeter Protection)		Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection					HLC	Yes
							WDR	140 dB
							Scene Self-adaptation (SSA)	Yes
Smart Object Detection		Smart abandoned object; smart missing object					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
SMD 3.0		Less false alarm, longer detection distance					Gain Control	Auto
AI SSA		Yes					Noise Reduction	3D NR

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BY IMAXCAMPEO	'		
Motion Detection	OFF/ON (4 areas, rectangular)		
Region of Interest (RoI)	Yes (4 areas)		
Smart Illumination	Yes		
Defog	Yes		
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 4M (2688 \times 1520) resolution and lower)		
Mirror	Yes		
Privacy Masking	8 areas		
Audio			
Built-in MIC	Yes		
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723		
Alarm			
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; face detection; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue time alarm; security exception		
Network			
Network Port	RJ-45 (10/100 Enhancement Base-T)		
SDK and API	Yes		
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P		
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI		
User/Host	20 (Total bandwidth: 80 M)		
Storage	FTP; SFTP; Micro SD card (support max. 512 GB); NAS		
Browser	IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later		
Management Software	SmartPSS Lite; DSS; DMSS		
Mobile Client	iOS; Android		
Cyber Security	Configuration encryption;Trusted execution;Digest;Security logs;WSSE;Account lockout;syslog;Video encryption;802.1x;IP/MAC filtering;HTTPS;Trusted upgrade;Trusted boot;Firmware encryption;Generation and importing of X.509 certification		
Certification			
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14		
Port			
Audio Input	1 channel (RCA port)		
Audio Output	1 channel (RCA port)		
Alarm Input	1 channel in: wet contact, 5mA 3V–5V DC		

Alarm Output	1 channel out: wet contact, 300mA 12V DC			
Power				
Power Supply	12 VDC/PoE (802.3af)/ePoE			
Power Consumption	Basic: 4.1 W (12 VDC); 5.2 W (PoE) Max. (H.265+ WDR+ Intelligence on+IR on): 8.3 W (12 VDC); 9.8 W (PoE)			
Environment				
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Operating Humidity	≤95%			
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Storage Humidity	10%–95% (RH), non-condensing			
Protection	IP67; IK10			
Structure				
Casing Material	Metal			
Product Dimensions	244.1 mm × 79.0 mm × 75.9 mm (9.61" × 3.11" × 2.99") (L × W × H)			
Net Weight	0.82 kg (1.81 lb)			

Ordering Information							
Туре	Model	Description					
4MP	HNC5I142T-IRASE-28-S3	4MP IR Fixed-focal Bullet Network Camera					
Camera	HNC5I142T-IRASE-28-S3	4MP IR Fixed-focal Bullet Network Camera					
	PFA130-E	Water-proof Junction Box					
	PFA152-E	Pole Mount Bracket					
Accessories (Optional)							

1.08 kg (2.38 lb)

Gross Weight



Accessories

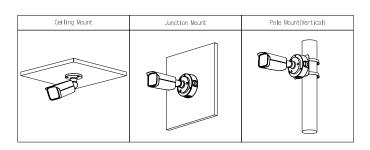
Optional:



PFA130-E Water-proof Junction Box



PFA152-E Pole Mount Bracket



Dimensions (mm[inch])

