

HNC3I241R-IR-ZAS

4MP Lite AI IR Vari-Focal Dome Network Camera



With advanced deep learning algorithm, the Diamond Lite AI series network camera supports some intelligent functions, such as perimeter protection and smart motion detection. It adopts starlight solution, which makes a better image effect in 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
- ▶ Built-in IR LED, max. IR distance: 131 ft (40 m)
- ▶ 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
- ▶ 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 | 1/2.7" 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 | 0.005 Lux @ F1.5 |
| S/N Ratio | N/A |
| IR LEDs | 2 |
| IR Distance | 131 ft (40 m) |
| IR On/Off Control | Auto / Manual |
| Lens Type | Motorized vari-focal |
| Focal Length | 2.7 ~ 13.5 mm |
| Angle of View | Horizontal: 104° ~ 27° |
| | Vertical: 57° ~ 15° |
| | Diagonal: 124° ~ 31° |
| Max. Aperture | F1.5 |
| Close Focus Distance | 2.6 ft (0.8 m) |
| Pan / Tilt / Rotation | Pan: 0°~355° / Tilt: 0°~75° / 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 |
| Smart Codec | Smart H.265 / Smart H.264 |
| Video Frame Rate | Main stream: 2688 × 1520 @ 1~25/30 fps |
| | Sub stream: 704 × 576 @ 1~25/30 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 | Auto (ICR) |
| 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 (ROI) | 4 |
| Smart Illumination | N/A |
| Mirror | Yes |

| | |
|-----------------|---|
| Privacy Masking | Yes (4 areas) |
| 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 | N/A |
| Network Protocol | HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP |
| Network Interoperability | ONVIF (Profile S/Profile G); CGI; P2P |
| Scene Self-adaptation | Yes |
| Streaming Method | N/A |
| Network Max. Users | 20 (Total bandwidth: 64 M) |
| Storage | FTP; Micro SD Card Slot (support max. 256 GB) |
| Web Viewer | IE / Chrome / Firefox |
| Management Software | NVR / DSS / DMSS / IVSS |
| 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 | < 7 W |
| Operating Temperature | -30°C ~ 60°C (-22°F ~ 140°F) / ≤ 95% RH |
| Storage Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |
| Protection | IP67, IK10 |
| Casing | Metal and Plastic |
| Dimensions | 88.9 mm × ø 122.0 mm (3.5" × ø 4.8") |
| Net Weight | 492 g (1.1 lb) |
| Gross Weight | 663 g (1.5 lb) |
| Certifications | CE-LVD: EN60950-1 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



PFA137



PFB203W



PFA152-E



PFA106



PFB220-C

Product Dimensions (mm [inch])

