

## PTZ-N2604I-DE3 6MP 4X IR Mini Outdoor Acusense PTZ Camera



HiLook 6MP 4×IR PTZ Network Camera can be widely used in indoor and outdoor scenes, such as corridor, office, factory, convenience store, and restaurant.

- High quality imaging with 6 MP resolution
- Focus on human and vehicle classification based on deep learning
- Excellent low-light performance via powered-by-DarkFighter technology
- 4x optical zoom allows for closer viewing of subjects in expansive areas
- Built-in microphone and speaker for real-time audio security
- Up to 20 m IR range ensures safety at night
- Water and dust resistant (IP66) and vandal proof (IK10)

## ▪ Specification

| Camera                 |                                                                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor           | 1/2.5" Progressive Scan CMOS                                                                                                                                                  |
| Max. Resolution        | 3200 × 1800                                                                                                                                                                   |
| Min. Illumination      | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR                                                                                             |
| Shutter Speed          | 1/1 s to 1/30,000 s                                                                                                                                                           |
| Day & Night            | IR cut filter                                                                                                                                                                 |
| Zoom                   | 4x optical, 16x digital                                                                                                                                                       |
| Slow Shutter           | Yes                                                                                                                                                                           |
| Lens                   |                                                                                                                                                                               |
| Focal Length           | 2.8 to 12 mm                                                                                                                                                                  |
| FOV                    | Horizontal field of view: 98° to 22.5°, vertical field of view: 52.2° to 12.8°, diagonal field of view: 117.3° to 25.7°                                                       |
| Focus                  | Auto, semi-auto, manual                                                                                                                                                       |
| Aperture               | Max. F1.6                                                                                                                                                                     |
| Zoom Speed             | Approx. 2 s                                                                                                                                                                   |
| Illuminator            |                                                                                                                                                                               |
| Supplement Light Type  | IR                                                                                                                                                                            |
| Supplement Light Range | IR Distance: up to 20 m                                                                                                                                                       |
| Smart Supplement Light | Yes                                                                                                                                                                           |
| IR Wavelength          | 850 nm                                                                                                                                                                        |
| PTZ                    |                                                                                                                                                                               |
| Movement Range (Pan)   | 0° to 355°                                                                                                                                                                    |
| Movement Range (Tilt)  | 0° to 90°                                                                                                                                                                     |
| Pan Speed              | Pan speed: configurable from 0.1° to 50°/s, preset speed: 50°/s                                                                                                               |
| Tilt Speed             | Tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s                                                                                                               |
| Proportional Pan       | Yes                                                                                                                                                                           |
| Presets                | 300                                                                                                                                                                           |
| Park Action            | Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan                                                                               |
| 3D Positioning         | Yes                                                                                                                                                                           |
| PTZ Status Display     | Yes                                                                                                                                                                           |
| Scheduled Task         | Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output                                         |
| Power-off Memory       | Yes                                                                                                                                                                           |
| Video                  |                                                                                                                                                                               |
| Main Stream            | 50 Hz: 25 fps (3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720),<br>60 Hz: 30 fps (3200 × 1800, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)               |
| Sub-Stream             | 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288);<br>60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)                                                                           |
| Third Stream           | 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288),<br>60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| Video Compression      | Main stream: H.265+/H.265/H.264+/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264/MJPEG                                                                    |
| H.264 Type             | Baseline Profile/Main Profile/High Profile                                                                                                                                    |

|                             |                                                                                                                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H.265 Type                  | Main profile                                                                                                                                                                                                                                                                            |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding                                                                                                                                                                                                                                                                |
| Region of Interest (ROI)    | 1 fixed regions for main stream                                                                                                                                                                                                                                                         |
| <b>Audio</b>                |                                                                                                                                                                                                                                                                                         |
| Audio Compression           | G.711,G.722.1,G.726,MP2L2,PCM,AAC-LC                                                                                                                                                                                                                                                    |
| Audio Bit Rate              | 64 Kbps (G.711),16 Kbps (G.722.1),32 to 160 Kbps (MP2L2),16 to 64Kbps (AAC-LC),16 Kbps (G.726)                                                                                                                                                                                          |
| Audio Sampling Rate         | AAC-LC: 16 kHz,MP2L2: 16 kHz,PCM: 8 kHz,16 kHz                                                                                                                                                                                                                                          |
| Environment Noise Filtering | Yes                                                                                                                                                                                                                                                                                     |
| <b>Network</b>              |                                                                                                                                                                                                                                                                                         |
| Protocols                   | IPv4/IPv6,HTTP,HTTPS,802.1X,QoS,FTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TC P/IP,ICMP,IGMP,UDP,DHCP,PPPoE,WebSocket,WebSockets                                                                                                                                                          |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                                                                                        |
| API                         | ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP                                                                                                                                                                                                                                  |
| User/Host                   | Up to 32 users; 3 user levels: administrator, operator, and user                                                                                                                                                                                                                        |
| Security                    | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address) |
| Network Storage             | NAS (NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                                                                                                                                   |
| Web Browser                 | Chrome80+, Firefox80+, Safari13+, Edge89+                                                                                                                                                                                                                                               |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                         |
| Image Parameters Switch     | Yes                                                                                                                                                                                                                                                                                     |
| Image Settings              | Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser                                                                                                                                                                       |
| Day/Night Switch            | Day, Night, Auto, Schedule                                                                                                                                                                                                                                                              |
| Wide Dynamic Range (WDR)    | 120 dB                                                                                                                                                                                                                                                                                  |
| SNR                         | > 52dB                                                                                                                                                                                                                                                                                  |
| Defog                       | Digital Defog                                                                                                                                                                                                                                                                           |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                        |
| Privacy Mask                | 8 programmable polygon privacy masks, mask color or mosaic configurable                                                                                                                                                                                                                 |
| Regional Focus              | Yes                                                                                                                                                                                                                                                                                     |
| Regional Exposure           | Yes                                                                                                                                                                                                                                                                                     |
| <b>Interface</b>            |                                                                                                                                                                                                                                                                                         |
| Ethernet Interface          | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                             |
| On-board Storage            | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                                                                                       |
| Built-in Microphone         | 1 built-in microphone, picking up sounds in the radius up to 5 meters                                                                                                                                                                                                                   |
| Built-in Speaker            | 1 built-in speaker, with effective distance reaching max. 10 meters                                                                                                                                                                                                                     |
| Audio                       | 1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K $\Omega$ $\pm$ 10%;<br>1 output (line out), line level, output impedance: 600 $\Omega$                                                                                                                         |
| Reset                       | Yes                                                                                                                                                                                                                                                                                     |
| Power Output                | 12 VDC, max. 60 mA                                                                                                                                                                                                                                                                      |
| <b>Event</b>                |                                                                                                                                                                                                                                                                                         |
| Basic Event                 | Motion detection, video tampering alarm, exception                                                                                                                                                                                                                                      |

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Smart Event         | Line crossing detection,intrusion detection,region exiting detection,region entrance detection                 |
| Linkage             | Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,audible warning          |
| <b>General</b>      |                                                                                                                |
| Power               | 12 VDC, Max. 9.2 W; PoE (802.3af)                                                                              |
| Dimension           | Ø130.7 mm × 103.6 mm (Ø5.15" × 4.00")                                                                          |
| Weight              | Weight: Approx. 560 g (1.23 lb.),With Package Weight: Approx. 780 g (1.72 lb.)                                 |
| Operating Condition | -20 °C to 60 °C (-4 °F to 140 °F). Humidity 90% or less (non-condensing)                                       |
| General Function    | Mirror,password protection                                                                                     |
| <b>Approval</b>     |                                                                                                                |
| Protection          | IP66 (IEC 60529-2013), IK10, TVS 4000V lightning protection, surge protection and voltage transient protection |

## ▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

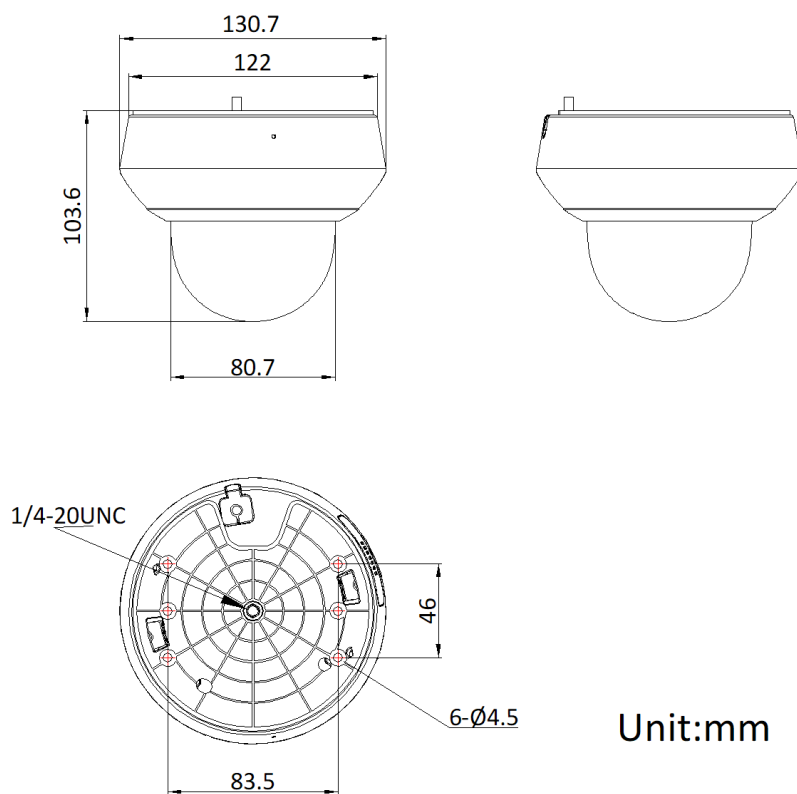
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4:2015.

| DORI            | Detect           | Observe           | Recognize       | Identify       |
|-----------------|------------------|-------------------|-----------------|----------------|
| Definition      | 25 px/m          | 63 px/m           | 125 px/m        | 250 px/m       |
| Distance (Tele) | 180 m (590.6 ft) | 71.4 m (234.3 ft) | 36 m (118.1 ft) | 18 m (59.1 ft) |

## ▪ Available Model

PTZ-N2604I-DE3(G)

## ▪ Dimension

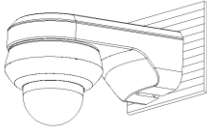


## ▪ Accessory

### ▪ Optional

| DS-1294ZJ-PT                                                                        | DS-1297ZJ-M                                                                         | DS-1297ZJ                                                                           | DS-1297ZJ-ES                                                                          | DS-1299ZJ                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

## ▪ Installation Methods

| Wall Mounting<br>DS-1294ZJ-PT                                                       | Pendant Mounting<br>DS-1297ZJ-M                                                     | Pendant Mounting<br>DS-1297ZJ                                                       | Pendant Mounting<br>DS-1297ZJ-ES                                                      | Pendant Mounting<br>DS-1299ZJ                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

# See Far, Go Further



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# HiLook