

## PTZ-N3404LIU/SL

### 4 MP 4 x Intelligent Network PTZ



- High quality imaging with 4 MP resolution
- Support Human and Vehicle Intelligent Detection
- Auto-tracking based on intelligent analysis
- Support two-way talk
- Red & Blue flashing light
- Clear imaging against strong back lighting due to 120 dB WDR technology
- Pan and tilt ability enables camera to monitor zones of interest
- 4 × optical zoom allows for closer viewing of subjects in expansive areas
- Efficient H.265+ compression technology

## ▪ Specification

| Camera                 |                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor           | 1/2.8" progressive scan CMOS                                                                                                                                                 |
| Max. Resolution        | 2560 × 1440                                                                                                                                                                  |
| Min. Illumination      | Color: 0.005 Lux @(F1.5, AGC ON); B/W: 0.001 Lux @(F1.5, AGC ON); 0 Lux with IR                                                                                              |
| Shutter Speed          | 1 to 1/30,000 s                                                                                                                                                              |
| Day & Night            | IR cut filter                                                                                                                                                                |
| Zoom                   | 4 × optical, 16 × digital                                                                                                                                                    |
| Lens                   |                                                                                                                                                                              |
| Focal Length           | 2.8 to 12 mm                                                                                                                                                                 |
| FOV                    | Horizontal field of view: 96.7° to 31.6° (wide-tele)<br>Vertical field of view: 51.1° to 17.7° (wide-tele)<br>Diagonal field of view: 115.1° to 36.3° (wide-tele)            |
| Focus                  | Auto, semi-auto, manual                                                                                                                                                      |
| Aperture               | Max. F1.5                                                                                                                                                                    |
| Zoom Speed             | Approx. 2 s (optical lens, wide-tele)                                                                                                                                        |
| Illuminator            |                                                                                                                                                                              |
| Supplement Light Range | IR distance: up to 50 m                                                                                                                                                      |
| PTZ                    |                                                                                                                                                                              |
| Movement Range (Pan)   | 0° to 350°                                                                                                                                                                   |
| Movement Range (Tilt)  | 0° to 90°                                                                                                                                                                    |
| Pan Speed              | Configurable, from 0.1°/s to 60°/s. Preset speed: 60°/s                                                                                                                      |
| Tilt Speed             | Configurable, from 0.1°/s to 50°/s. Preset speed: 60°/s                                                                                                                      |
| Proportional Pan       | Yes                                                                                                                                                                          |
| Presets                | 300                                                                                                                                                                          |
| Preset Freezing        | Yes                                                                                                                                                                          |
| Patrol Scan            | 8 patrols, up to 32 presets for each patrol                                                                                                                                  |
| Park Action            | Preset, Patrol Scan                                                                                                                                                          |
| 3D Positioning         | Yes                                                                                                                                                                          |
| PTZ Status Display     | Yes                                                                                                                                                                          |
| Scheduled Task         | Preset, Patrol Scan, dome reboot, dome adjust, aux output                                                                                                                    |
| Auto tracking          | Yes                                                                                                                                                                          |
| Power-off Memory       | Yes                                                                                                                                                                          |
| Video                  |                                                                                                                                                                              |
| Main Stream            | 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)<br>60 Hz: 30 fps (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                                                                   |
| Video Bit Rate         | 32 Kbps to 16 Mbps                                                                                                                                                           |
| 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)    | 8 fixed regions for each stream                                                                                                                                                                                                                                                                              |
| <b>Audio</b>                |                                                                                                                                                                                                                                                                                                              |
| Audio Compression           | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM                                                                                                                                                                                                                                                                  |
| Audio Bit Rate              | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 160 Kbps(MP2L2)                                                                                                                                                                                                                                 |
| <b>Network</b>              |                                                                                                                                                                                                                                                                                                              |
| Protocols                   | IPv4/IPv6, HTTP, HTTPS, QoS,802.1x, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour                                                                                                                                                                                     |
| Simultaneous Live View      | Up to 20 channels                                                                                                                                                                                                                                                                                            |
| API                         | ONVIF, 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, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address) |
| Network Storage             | NAS (NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                                                                                                                                                        |
| Client                      | iVMS-4200, HikCentral, HiLookVision                                                                                                                                                                                                                                                                          |
| Web Browser                 | IE10-11, Chrome 57.0+, Firefox 52.0+, Safari 12+                                                                                                                                                                                                                                                             |
| <b>Image</b>                |                                                                                                                                                                                                                                                                                                              |
| Image Settings              | Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser                                                                                                                                                                                            |
| Wide Dynamic Range (WDR)    | 120 dB                                                                                                                                                                                                                                                                                                       |
| Defog                       | Digital defog                                                                                                                                                                                                                                                                                                |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                                             |
| Privacy Mask                | 24 programmable polygon privacy masks, mask color 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 256 GB                                                                                                                                                                                                                            |
| Built-in Microphone         | 1 built-in microphone                                                                                                                                                                                                                                                                                        |
| Built-in Speaker            | 1 built-in speaker, 8 Ω, 2 W. Max sound pressure level: 100 dB (10 cm)                                                                                                                                                                                                                                       |
| Built-in Flashing light     | Red & Blue flashing light                                                                                                                                                                                                                                                                                    |
| Audio                       | 1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω                                                                                                                                                                    |
| Alarm                       | 1 input, 1 output                                                                                                                                                                                                                                                                                            |
| <b>Event</b>                |                                                                                                                                                                                                                                                                                                              |
| Basic Event                 | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), alarm input and output                                                                                                                                                   |
| Smart Event                 | Face detection, line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection                                                                                                         |
| Alarm Linkage               | Preset, Patrol Scan, Upload to FTP/memory card/NAS, notify surveillance center, send email, audible warning, flashing alarm, auto-tracking                                                                                                                                                                   |

| Deep Learning Function |                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Perimeter Protection   | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle) |
| General                |                                                                                                                                     |
| Power                  | 12 VDC, 3.33 A & PoE (802.3at), 42.5 to 57 VDC, 0.6 A<br>Max. 14 W (including max. 2.4 W for IR, 1.2 W for white light flashing)    |
| Dimension              | 179.3 mm × 120.5 mm × 182 mm (7.06" × 4.74" × 7.17")                                                                                |
| Weight                 | Approx. 1.125 kg (2.48 lb.)                                                                                                         |
| Material               | ADC12 + PC                                                                                                                          |
| Operating Condition    | -30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)                                                           |
| Approval               |                                                                                                                                     |
| Protection             | IP66 (IEC 60529-2013), TVS 6000V 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 (590.5 ft) | 71.4 m (234.2 ft) | 36 m (118.1 ft) | 18 m (59.1 ft) |

▪ Available Model

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▪ Dimension

