



# HNP124N-LUR/25X

Dual-Lens 180° 4MP Network 25× PTZ

NDA A COMPLIANT | FCC CERTIFIED

- 4MP PTZ (2560 × 1440) with 25X optical zoom
- 8MP 180° panoramic view (4096 × 1860)
- Smart tracking, plus red/blue strobe and built-in speaker for active deterrence
- Dual light: IR + white light, up to 328 ft
- Smart analytics: line crossing, intrusion, loitering, parking detection

[See compatible mounts on page 3](#)

## Specifications

### CAMERA

|                               |                                                                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zoom                          | 25X                                                                                                                                                                                                                                    |
| Image Sensor                  | <b>Panoramic:</b> 1/2.7-in. Progressive CMOS<br><b>PTZ:</b> 1/2.8-in. Progressive CMOS                                                                                                                                                 |
| Maximum Resolution            | <b>Panoramic:</b> 4096 × 1860<br><b>PTZ:</b> 2560 × 1440                                                                                                                                                                               |
| Minimum Illumination          | Panoramic<br><b>Color:</b> 0.005 Lux at F1.4<br><b>Black/White:</b> 0.0005 Lux at F1.4<br>0 Lux With Illuminators On<br>PTZ<br><b>Color:</b> 0.005 Lux at F1.6<br><b>Black/White:</b> 0.0005 Lux at F1.6<br>0 Lux With Illuminators On |
| Number of Illuminators        | <b>Panoramic:</b> Two (2) IR LEDs, Two (2) White-Light LEDs<br><b>PTZ:</b> Two (2) IR LEDs, Two (2) White-Light LEDs                                                                                                                   |
| Illuminator Control           | Automatic, Manual                                                                                                                                                                                                                      |
| Maximum Illumination Distance | Panoramic<br><b>IR:</b> 30.0 m (98.4 ft)<br><b>White Light:</b> 30.0 m (98.4 ft)<br>PTZ<br><b>IR:</b> 100.0 m (328.1 ft)<br><b>White Light:</b> 40.0 m (131.2 ft)                                                                      |
| Illuminator Control           | <b>Panoramic:</b> Manual, Automatic, Off<br><b>PTZ:</b> Zoom Priority, Manual, Automatic, Off                                                                                                                                          |
| Electronic Shutter Speed      | Automatic, Manual<br>1/3 s to 1/300,000 s                                                                                                                                                                                              |
| Control Speed                 | Manual                                                                                                                                                                                                                                 |
| Power Off Memory              | Supported                                                                                                                                                                                                                              |
| S/N Ratio                     | > 55 dB                                                                                                                                                                                                                                |

### LENS

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Focal Length      | <b>Panoramic:</b> 2.8 mm<br><b>PTZ:</b> 5.0 mm to 125.0 mm                                                                                                                                                                                                                                                                                                                                                             |
| Maximum Aperture  | <b>Panoramic:</b> F1.4<br><b>PTZ:</b> F1.6 to F3.6                                                                                                                                                                                                                                                                                                                                                                     |
| Field of View     | Panoramic<br><b>Horizontal:</b> 180.0°<br><b>Vertical:</b> 86.0°<br>PTZ<br><b>Horizontal:</b> 51.9° to 3.0°<br><b>Vertical:</b> 39.7° to 2.2°<br><b>Diagonal:</b> 63.1° to 3.7°                                                                                                                                                                                                                                        |
| Close Focus Range | <b>Panoramic:</b> 0.6 m (2.0 ft)<br><b>PTZ:</b> 0.1 m to 0.5 m (0.3 ft to 1.6 ft)                                                                                                                                                                                                                                                                                                                                      |
| DORI Distance     | Panoramic<br><b>Detect:</b> 55.5 m (182.1 ft)<br><b>Observe:</b> 22.0 m (72.2 ft)<br><b>Recognize:</b> 11.0 m (36.1 ft)<br><b>Identify:</b> 5.3 m (17.4 ft)<br>PTZ<br><b>Detect:</b> 99.9 m to 2549.5 m (327.8 ft to 8364.5 ft)<br><b>Observe:</b> 39.5 m to 1000.0 m (129.6 ft to 3280.8 ft)<br><b>Recognize:</b> 19.5 m to 495.5 m (64.0 ft to 1625.7 ft)<br><b>Identify:</b> 9.8 m to 249.5 m (32.2 ft to 818.6 ft) |

## PAN/TILT/ZOOM

|                 |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| Range           | <b>Pan:</b> 0° to 360° Endless<br><b>Tilt:</b> -15° to 90°<br><b>Auto Flip:</b> 180° |
| Pan Speed       | <b>Manual Control:</b> 0.1°/s to 180°/s<br><b>Preset:</b> 180°/s                     |
| Tilt Speed      | <b>Manual Control:</b> 0.1°/s to 90°/s<br><b>Preset:</b> 90°/s                       |
| Preset          | 300                                                                                  |
| Tour            | 8 (Up to 32 Presets per Tour)                                                        |
| Pattern         | 5                                                                                    |
| Scan            | 5                                                                                    |
| Scheduled Modes | Preset, Pattern, Tour, Scan                                                          |
| Preset Freezing | Freezes Images Between Presets                                                       |
| 3D Positioning  | Automatically Pans, Tilts, and Zooms to a Selected Area                              |

## VIDEO

|                    |                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression        | <b>Panoramic:</b> Smart Encoding H.265, H.265, Smart Encoding H.264, H.264, MJPEG (Sub Stream 1 Only)<br><b>PTZ:</b> Smart Encoding H.265, H.265, Smart Encoding H.264, H.264, MJPEG (Sub Stream 1 Only)                                                                                                                                          |
| Standard Codec     | Supported                                                                                                                                                                                                                                                                                                                                         |
| Stream Capability  | Three (3) Streams                                                                                                                                                                                                                                                                                                                                 |
| Resolution         | <b>Panoramic:</b> 8MP (4096 × 1860), 2MP (2048 × 928), 1080p (1920 × 1080), 720p (1280 × 720), 1024 × 448, D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240)<br><b>PTZ:</b> 4MP (2560 × 1440), 3MP (2304 × 1296), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240) |
| Maximum Frame Rate | Panoramic<br><b>Main Stream:</b> 4096 × 1860 at 30 fps<br><b>Sub Stream 1:</b> 1024 × 448/D1/VGA/CIF at 30 fps<br><b>Sub Stream 2:</b> 2048 × 928/1080p/1.3M/720p at 30 fps<br>PTZ<br><b>Main Stream:</b> 4MP/3MP/1080p/1.3MP/720p at 30 fps<br><b>Sub Stream 1:</b> D1/VGA/CIF at 30 fps<br><b>Sub Stream 2:</b> 1080p/1.3MP/720p at 30 fps      |
| Video Bit Rate     | Panoramic<br><b>H.265:</b> 51 kbps to 13,312 kbps<br><b>H.264:</b> 128 kbps to 16,384 kbps<br>PTZ<br><b>H.265:</b> 38 kbps to 10,240 kbps<br><b>H.264:</b> 96 kbps to 16,384 kbps                                                                                                                                                                 |
| Bit Rate Control   | CBR/VBR                                                                                                                                                                                                                                                                                                                                           |
| Day/Night          | Auto (ICR), Color, Black and White                                                                                                                                                                                                                                                                                                                |
| Noise Reduction    | 2D NR, 3D NR                                                                                                                                                                                                                                                                                                                                      |
| Light Balancing    | Wide Dynamic Range (120 dB), BLC, HLC                                                                                                                                                                                                                                                                                                             |

|                     |                   |
|---------------------|-------------------|
| Image Rotation      | 180°              |
| Image Stabilization | Electronic        |
| Defog               | Electronic        |
| Region of Interest  | Eight (8) Regions |

## ANALYTICS

|                          |                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Content Analytics+ | Line Crossing, Intrusion, Loitering Detection, Parking Detection, Crossing Virtual Fence, Abandoned/Missing Object, Aggregate Detection, Vehicle/Human Alarm Classification, Linkage Tracking |
| Smart Motion Detection   | Supported with Alarms for Vehicles and Humans                                                                                                                                                 |
| Deterrent                | Built-In Speaker and Flashing Red and Blue Lights                                                                                                                                             |
| Smart Tracking           | Automatically Tracks a Target in Motion for an Allotted Amount of time or Until the Object Exits the Scene                                                                                    |

## AUDIO

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| Compression | G.711a, G.711Mu, PCM                                                                 |
| Interface   | <b>Input:</b> One (1) Channel<br><b>Output:</b> Built-In Speaker and One (1) Channel |

## ALARM

|           |                                                                                                        |
|-----------|--------------------------------------------------------------------------------------------------------|
| Event     | Motion/Tampering Detection, Offline, IP Conflict, No SD Card, Disk Full, SD Card Error, Scene Changing |
| Interface | <b>Input:</b> Two (2) Channel<br><b>Output:</b> One (1) Channel                                        |
| Linkage   | Capture, Record, Send Email, Alarm Digital Output, Audio, Warning Light                                |

## NETWORK

|                  |                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface        | RJ-45 (10/100 Base-T)                                                                                                                           |
| Protocol         | HTTP, HTTPS, TCP/IP, IPv4, RTSP, SMTP, NTP, DHCP, DNS, DDNS, IPv6, 802.1x, SSL, QoS, FTP, UPnP, SNMP, ARP, RTCP, RTP, PPPoE, RTMP, Bonjour, NFS |
| Interoperability | ONVIF (Profile S/G/T), API, SDK                                                                                                                 |
| Browser          | Chrome, Firefox, Edge, Safari                                                                                                                   |
| Storage          | FTP/SFTP, NAS, Micro SD Card (Max. 512 GB)                                                                                                      |

## ELECTRICAL

|                   |                                    |
|-------------------|------------------------------------|
| Power Supply      | 12 VDC (3 A ± 10%), PoE+ (802.3at) |
| Power Consumption | 25W Max.                           |

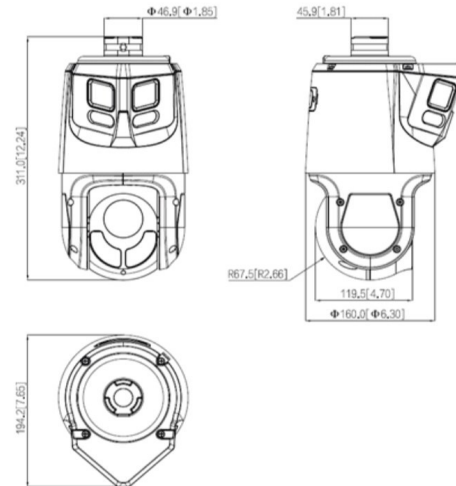
## CONSTRUCTION

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| Net Weight                     | 3.1 kg (6.8 lb)                                               |
| Gross Weight                   | 4.6 kg (10.1 lb)                                              |
| Operating Temperature          | -40 °C to 65 °C (-22°F to 149°F)<br>< 95% RH (Non-Condensing) |
| Storage Temperature            | -40 °C to 70 °C (-40 °F to 158 °F)                            |
| Protection Ratings             | IP66                                                          |
| Product Dimensions (L x W x H) | 194.2 mm × 160.0 mm × 311.0 mm (7.7 in. × 6.3 in. × 12.2 in.) |
| Material                       | Metal                                                         |
| Included Mount                 | Mini wall mount                                               |

## DIMENSIONS

### Dimensional Drawing

mm [in.]



## CERTIFICATIONS AND COMPLIANCE

|                |         |
|----------------|---------|
| Certifications | FCC, IC |
| Compliance     | NDAA    |

## Compatible Mounts

The mounts below are compatible with this camera and are sold separately. Click any SKU to see photos and details on [huntcctv.com](http://huntcctv.com), or contact us at (888) 993-4868 or [info@huntcctv.com](mailto:info@huntcctv.com) if you are not sure which mount fits your installation.

| MOUNT TYPE              | SKU                            | DESCRIPTION                 |
|-------------------------|--------------------------------|-----------------------------|
| Wall Mount              | <a href="#">HTH-602NJ ↗</a>    | PTZ Wall Mount              |
| Telescope Mount, 2-4 ft | <a href="#">HTH-661NJ-24 ↗</a> | PTZ Telescope Mount, 2-4 ft |
| Telescope Mount, 3-6 ft | <a href="#">HTH-661NJ-36 ↗</a> | PTZ Telescope Mount, 3-6 ft |
| Parapet Mount           | <a href="#">HTH-660NJ ↗</a>    | PTZ Parapet Mount           |