

Network PTZ

# XNP-6120HW

2M H.265 12x PTZ Camera

## Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 5.2 ~ 62.4mm (12x) optical zoom, 32x digital zoom
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day & Night (ICR), WDR (150dB), Intelligent video analytics
- SD/SDHC/SDXC memory slot (Max.512GB)
- IP66, IK10, Bi-directional audio support

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# XNP-6120HW

2M H.265 12x PTZ Camera



## Specifications

### Video

| | | |
|---|---|---|
| **Imaging Device** | Size | 1/2.8" |
| | Type | CMOS |
| **Resolution** | | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| **Max. Framerate** | H.265/H.264 | 60fps/50fps(60Hz/50Hz) |
| | MJPEG | 30fps |
| **Min. Illumination (Lux)** | Color(1/30sec, 30IRE) | 0.03 |
| | BW(1/30sec, 30IRE) | 0.003 |
| **Video Out** | | CVBS: 1.0 Vp-p / 75Ω composite for installation,<br>USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle. |

### Lens

| | | |
|---|---|---|
| **Focal Length (mm)** | | 5.2~62.4 |
| **Zoom Ratio** | Optical | 12x |
| | Digital | 32x |
| **Max Aperture Ratio (F number)** | Wide | 1.6 |
| | Tele | 3.0 |
| **Angular Field of View** | Horizontal | 54.58°~5.30° |
| | Vertical | 32.19°~3.00° |
| **Min. Object Distance** | | 1.5m(4.92ft) |
| **Focus Control** | | Auto, Manual, Oneshot AF |
| **Lens Type** | | DC auto iris |

### Pan / Tilt / Rotate

| | | |
|---|---|---|
| **Pan / Tilt / Rotate Range** | Pan | 360° Endless |
| | Tilt | -5°~185° |
| **Pan Speed** | Preset | Max. 350°/sec |
| | Manual | 0.024°/sec~200°/sec |
| **Tilt Speed** | Preset | Max. 350°/sec |
| | Manual | 0.024°/sec~200°/sec |

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## Pan / Tilt / Rotate

| | |
|---|---|
| **Sequence** | Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule |
| **Preset Accuracy** | ±0.2° |

## Operational

| | | |
|---|---|---|
| **Direction Indicator** | | Support |
| **Day & Night** | | Auto(ICR) |
| **Backlight Compensation** | | BLC, HLC, WDR, SSDR |
| **Wide Dynamic Range (dB)** | | 150 |
| **Digital Noise Reduction** | | SSNR V |
| **Digital Image Stabilization** | | Support(built-in gyro sensor) |
| **Defog** | | Support |
| **Motion Detection** | Quantity | 8ea |
| | Shape | 8point Polygonal zones |
| **Privacy Masking** | Quantity | 32ea |
| | Shape | 4point Quadrangle zones |
| | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic |
| **Gain Control** | | Low, Middle, High |
| **White Balance** | | ATW, AWC, Manual, Indoor, Outdoor |
| **Electronic Shutter** | Mode | Minimum, Maximum, Anti flicker |
| | Speed Range | 2~1/12,000sec |
| **Video Rotation** | | Flip, Mirror |
| **Serial Interface** | | RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell) |
| **Alarm Interface** | In/Out | Input 1ea, Output 1ea |
| **Alarm Triggers** | | Analytics, Network disconnect, Alarm input |
| **Alarm Events When Alarm Trigger Occurred** | | File upload(image): e-mail/FTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output,<br>Handover: PTZ preset |
| **Audio In** | | Selectable(mic in/line in) |
| **Audio Out** | | Line out |
| **Auto Tracking** | | Support |

## Analytics

| | | |
|---|---|---|
| **Analytics Events** | Normal | Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) |

## Network

| | |
|---|---|
| **Ethernet** | RJ-45(10/100BASE-T) |
| **Video Compression** | H.265: Main,<br>H.264: Main/High,MJPEG |

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## Network

| | | |
|---|---|---|
| **Audio Compression** | | G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz,<br>G.726: 16kbps,24kbps,32kbps,40kbps,<br>AAC-LC: 48kbps at 16kHz |
| **Smart Codec** | | Manual, WiseStream II |
| **Bitrate Control** | | H.265/H.264: CBR or VBR,<br>MJPEG: VBR |
| **Streaming** | Unicast | Up to 20 users |
| | Multicast | Support |
| | Multiple Streaming | Up to 10 profiles |
| **Protocol** | | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), NTCIP 1205 |
| **Application Programming Interface** | ONVIF | S, G, T |
| | Others | SUNAPI(HTTP API), Hanwha Vision Open Platform |
| **Direct Cloud Connection** | | Optional (needs gateway) |

## General

| | | |
|---|---|---|
| **Memory** | RAM | 1GB |
| | Flash | 256MB |
| **Edge Storage** | Micro SD/SDHC/SDXC | Max. 256GB x 2slot(Total 512GB) |

## Environmental & Electrical

| | | |
|---|---|---|
| **Operating Condition** | Temperature | -30°C~+55°C(-22°F~+131°F) |
| | Humidity | 0~90% RH(non-condensing) |
| **Storage Condition** | Temperature | -30°C~+60°C(-22°F~+140°F) |
| | Humidity | 0~90% RH(non-condensing) |
| **Wind Load** | | Nopn |
| **Input Voltage** | | PoE(IEEE802.3af, Class3), 12VDC |
| **Power Consumption** | PoE | Max. 12W |
| | 12VDC | Max. 12W |

## Mechanical

| | |
|---|---|
| **Color** | White |
| **Material** | Aluminum |
| **RAL Code** | RAL9003 |
| **Product Dimensions** | ø168x161.5mm(6.61x6.36") |
| **Product Weight** | 1,900g(4.19 lb) |

## DORI (EN62676-4 standard)

| | | |
|---|---|---|
| **Detect (25PPM/ 8PPF)** | Wide | 74.4m(244.2ft) |
| | Tele | 829.7m(2722ft) |

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## DORI (EN62676-4 standard)

| | | |
|---|---|---|
| **Observe (63PPM/ 19PPF)** | Wide | 29.8m(97.7ft) |
| | Tele | 331.9m(1088.8ft) |
| **Recognize (125PPM/ 38PPF)** | Wide | 14.9m(48.8ft) |
| | Tele | 165.9m(544.4ft) |
| **Identify (250PPM/ 76PPF)** | Wide | 7.4m(24.4ft) |
| | Tele | 83.0m(272.2ft) |

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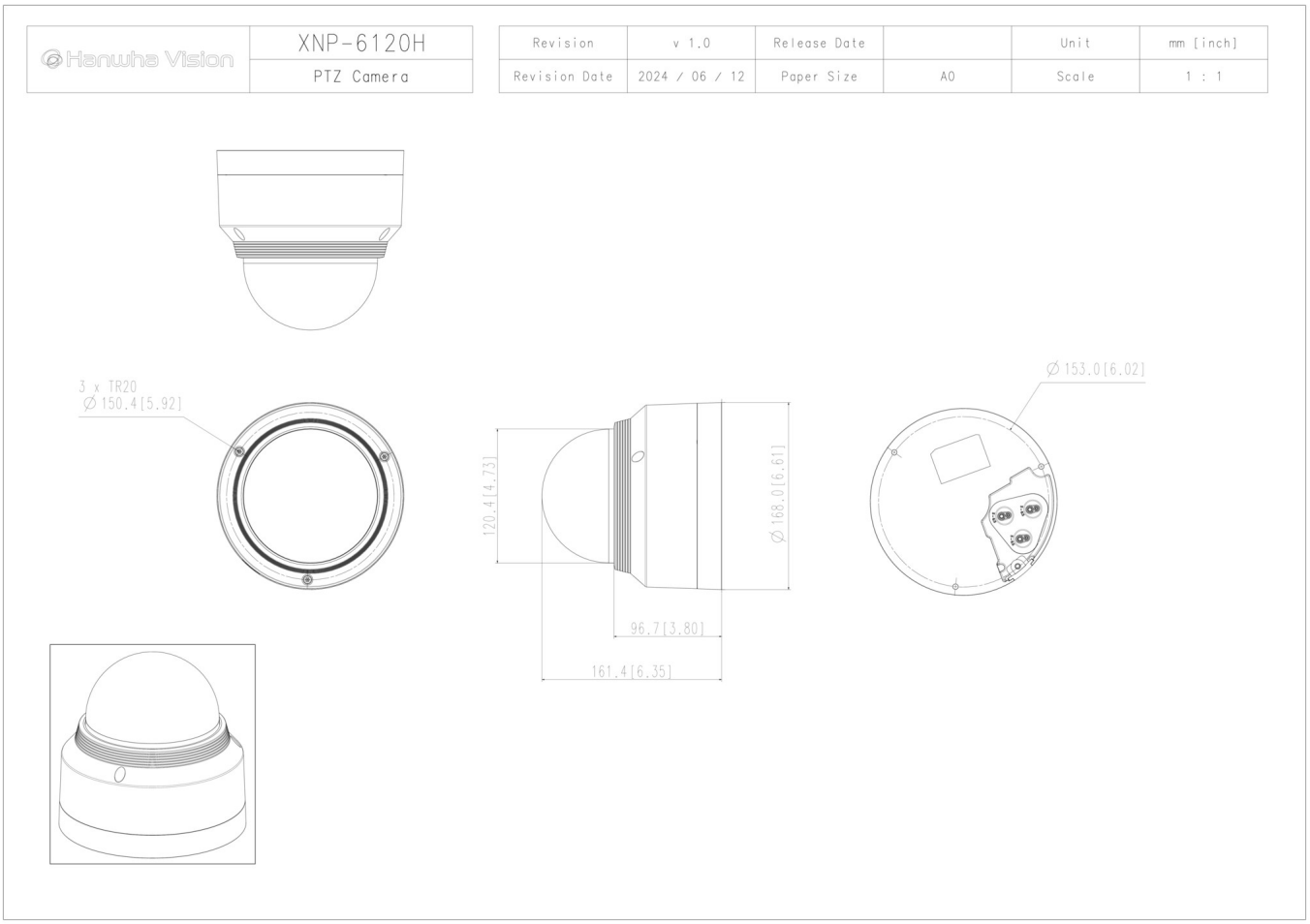
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## CAD

**Unit:** mm [inch]




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