

# XNP-6400

2MP Network 40x PTZ Camera



## Key Features

- 2MP resolution
- 4.25~170mm (40x) zoom (digital 32x, total 1280x zoom)
- Day & Night (ICR), extreme WDR, DIS (Built-in gyro sensor)
- Intelligent Analytics, Object auto tracking (Person/Vehicle), Target lock tracking
- H.264, H.265, MJPEG codec, WiseStream II
- IP66, IK10, NEMA4X, NEMA-TS 2 (2.2.8, 2.2.9)
- PTZ PLUS Design applied (Compact, Lighter, Simple cabling)

## Compatible Accessories (Optional)

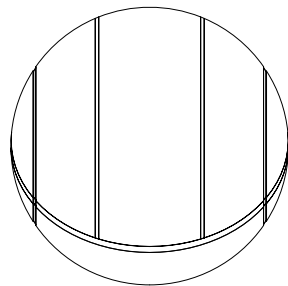
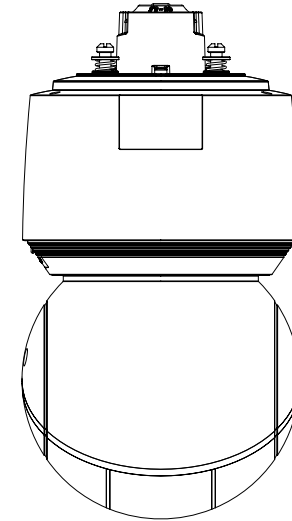
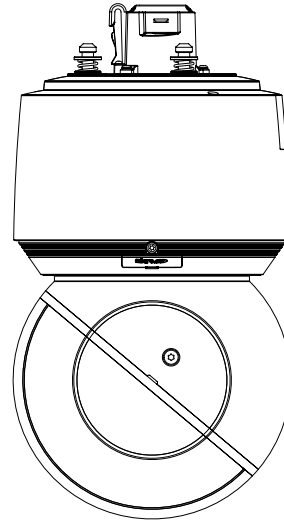
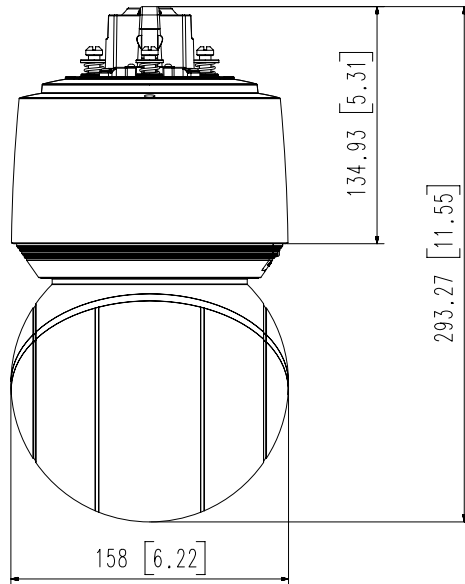
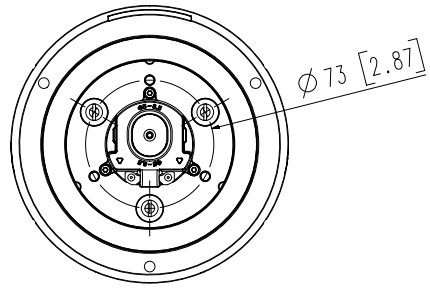


| Video                       |   |
|-----------------------------|---|
| Imaging Device              | 1/2.8" CMOS   |
| Resolution                  | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate              | H.265/H.264: Max. 60fps/50fps(60Hz/50Hz)<br>MJPEG: Max. 30fps/25fps(60Hz/50Hz)                                    |
| Min. Illumination           | Color: 0.05Lux(F1.6, 1/30sec)<br>BW: 0.005Lux(IR LED On)  |
| Lens                        |   |
| Focal Length (Zoom Ratio)   | 4.25~170mm(40x) zoom (digital 32x, total 1280x zoom)  |
| Max. Aperture Ratio         | F1.6(Wide)~F4.95(Tele)  |
| Angular Field of View       | H: 65.66°(Wide)~1.88°(Tele) / V: 39.40°(Wide)~1.09°(Tele)   |
| Min. Object Distance        | 3m(9.84ft)  |
| Focus Control               | Oneshot AF, Focus save  |
| Lens Type                   | DC auto iris  |
| Pan / Tilt / Rotate         |   |
| Pan Range                   | 360° Endless  |
| Pan Speed                   | Max. 700°/sec, Manual: 0.024°/sec~250°/sec  |
| Tilt Range                  | 110°(-20°~90°)  |
| Tilt Speed                  | Max. 500°/sec, Manual: 0.024°/sec~250°/sec  |
| Sequence                    | Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule   |
| Preset Accuracy             | Up to $\pm 0.1^\circ$ , Pan/Tilt correction   |
| Operational                 |   |
| Camera Title                | Displayed up to 85 characters   |
| Direction Indicator         | Support   |
| Day & Night                 | Auto(ICR)/Color/BW/Schedule   |
| Backlight Compensation      | BLC, HLC, WDR, SSSDR  |
| Wide Dynamic Range          | Extreme WDR(150dB)  |
| Digital Noise Reduction     | SSNR V  |
| Digital Image Stabilization | Support(built-in gyro sensor)   |
| Defog                       | Support   |
| Motion Detection            | 8ea, 8point polygonal zones   |
| Privacy Masking             | 32ea, polygonal Support<br>- Color: Grey/Green/Red/Blue/Black/White<br>- Mosaic                                   |
| Gain Control                | Low / Middle / High   |
| White Balance               | ATW / AWC / Manual / Indoor / Outdoor   |
| Electronic Shutter Speed    | Minimum / Maximum / Anti flicker (2~1/12,000sec)  |
| Video Rotation              | Flip, Mirror  |

|  |   |
|--|---|
| <b>Analytics</b>                         | Directional detection, Fog detection, Face detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Shock detection<br>* Audio detection, Sound classification(with NW I/O Box) |
| <b>Alarm Triggers</b>                    | Analytics, Network disconnect<br>* Alarm input(with NW I/O Box)   |
| <b>Alarm Events</b>                      | File upload via FTP and e-mail<br>Notification via e-mail<br>SD/SDHC/SDXC or NAS recording at event triggers<br>PTZ Preset<br>Handover<br>* Alarm output(with NW I/O Box)   |
| <b>Water Removal</b>                     | Support(Spinning dry)   |
| <b>Auto Tracking</b>                     | Object auto tracking(Person/Vehicle), Target lock tracking  |
| <b>Network</b>                           |   |
| <b>Ethernet</b>                          | Metal shielded RJ-45(10/100BASE-T)  |
| <b>Video Compression</b>                 | H.265/H.264: Main/Baseline/High, MJPEG  |
| <b>Smart Codec</b>                       | Manual(5ea area), WiseStream II   |
| <b>Bitrate Control</b>                   | H.264/H.265: CBR or VBR<br>MJPEG: VBR   |
| <b>Streaming</b>                         | Unicast(20 users) / Multicast (128 user)<br>Multiple streaming(Up to 10 profiles)   |
| <b>Protocol</b>                          | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP, SRTP                      |
| <b>Security</b>                          | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP)<br>Device certificate(Hanwha Techwin Root CA)                   |
| <b>Application Programming Interface</b> | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform  |
| <b>General</b>                           |   |
| <b>Webpage Language</b>                  | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek   |
| <b>Edge Storage</b>                      | Micro SD/SDHC/SDXC 2slot 1TB  |
| <b>Memory</b>                            | 4GB RAM, 512MB Flash  |
| <b>Environmental &amp; Electrical</b>    |   |
| <b>Operating Temperature / Humidity</b>  | -40°C~-+55°C(-40°F~-+131°F) / Less than 95% RH(Non-condensing)<br>Maximum Temperature based on NEMA-TS 2(2.2.7) : +74°C(+165°F)   |
| <b>Storage Temperature / Humidity</b>    | -50°C~-+60°C (-58°F~-+140°F) / Less than 95% RH(Non-condensing)   |
| <b>Certification</b>                     | IP66, IK10, NEMA4X, NEMA-TS 2(2.2.8, 2.2.9)   |
| <b>Input Voltage</b>                     | PoE+(IEEE802.3at, Class4)   |
| <b>Power Consumption</b>                 | Typical 20W, Max 25W  |
| <b>Mechanical</b>                        |   |

|                                  |   |
|----------------------------------|---|
| Color / Material                 | Body : White / Aluminum<br>Head : Black / Polycarbonate<br>Hard-coated dome |
| RAL Code                         | White: RAL9003 / Black: RAL9005   |
| Product Dimensions / Weight      | Ø158x293.3mm(6.22x11.55") / 3.2Kg(6.17lb)                                   |
| <b>DORI (EN62676-4 standard)</b> |   |
| Detect (25PPM/ 8PPF)             | Wide: 59.5m(195.3ft) / Tele: 2340.4m(7678.4ft)                              |
| Observe (63PPM/ 19PPF)           | Wide: 23.8m(78.1ft) / Tele: 936.2m(3071.4ft)                                |
| Recognize (125PPM/ 38PPF)        | Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)                                |
| Identify (250PPM/ 76PPF)         | Wide: 6.0m(19.5ft) / Tele: 234.0m(767.8ft)                                  |

- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.



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|-------------------------|-------------|----------------|
| 3                       | XNP-8250(R) |                |
| 2                       | XNP-6400(R) |                |
| 1                       | XNP-9250(R) | '20.11.06      |
| No.                     | MODEL NAME  | DATE           |
| Unit:mm[inch] SCALE:1/2 |             | Hanwha Techwin |

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