



## XNP-8300RW

6MP Network 30x IR PTZ  
with built-in wiper

### Benefits

- 65% lighter than conventional PTZ's for easier installation and increased speed of the Pan/Tilt functionality
- **PTZ PLUS** supports a RJ45 connector only, so all you have to do is connect a single RJ45 cable for quick and easy installation
- **PTZ PLUS** uses built-in wiper to initially get rid of water or dust and then activates heater on the lens to dry remaining water and remove water perfectly
- AI based object tracking, select the object you want e.g. a car or person
- Exceptional image quality for clearer and more detailed video
- Enhanced Cybersecurity for extra piece of mind
- Allows for monitoring in complete darkness up to 200meters with adaptive IR

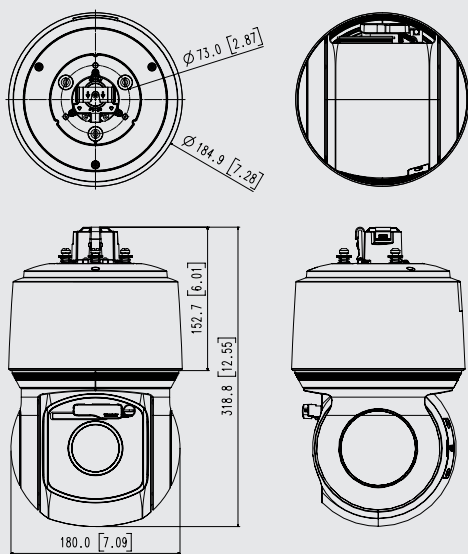
| XNP-8300RW                  |                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VIDEO                       |                                                                                                                                                                                                                       |
| Imaging Device              | 1/2.8" CMOS                                                                                                                                                                                                           |
| Resolution                  | 3328x1872, 3072x1728, 2592x1944, 2688x1520, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240                                              |
| Max. Framerate              | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz)<br>MJPEG: Max. 30fps/25fps(60Hz/50Hz)                                                                                                                                        |
| Min. Illumination           | Colour: 0.1Lux(F1.6, 1/30sec)<br>BW: 0Lux(IR LED On)                                                                                                                                                                  |
| LENS                        |                                                                                                                                                                                                                       |
| Focal Length (Zoom Ratio)   | 5~150mm(30x) zoom                                                                                                                                                                                                     |
| Max. Aperture Ratio         | F1.6(Wide) - F4.56(Tele)                                                                                                                                                                                              |
| Angular Field of View       | H: 57.42°(Wide)~2.19°(Tele) / V: 33.54°(Wide)~1.25°(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. 500°/sec, Manual: 0.024°/sec~250°/sec                                                                                                                                                                            |
| Tilt Range                  | 110°(-20°~90°)                                                                                                                                                                                                        |
| Tilt Speed                  | Max. 350°/sec, Manual: 0.024°/sec~250°/sec                                                                                                                                                                            |
| Sequence                    | Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule                                                                                                                                                     |
| Preset Accuracy             | ±0.1°, Pan/Tilt correction                                                                                                                                                                                            |
| OPERATIONAL                 |                                                                                                                                                                                                                       |
| Camera Title                | Displayed up to 85 characters                                                                                                                                                                                         |
| Direction Indicator         | Support                                                                                                                                                                                                               |
| Day & Night                 | Auto(ICR)/Colour/BW/Schedule                                                                                                                                                                                          |
| Backlight Compensation      | BLC, HLC, WDR, SSDR                                                                                                                                                                                                   |
| Wide Dynamic Range          | Extreme WDR (120dB)                                                                                                                                                                                                   |
| Digital Noise Reduction     | SSNRV                                                                                                                                                                                                                 |
| Digital Image Stabilization | Support(built-in gyro sensor)                                                                                                                                                                                         |
| Defog                       | Support                                                                                                                                                                                                               |
| Motion Detection            | 8ea, 8point polygonal zones                                                                                                                                                                                           |
| Privacy Masking             | 32ea, rectangular Support<br>- Colour: 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                                                                                                                                                                                                          |
| Analytics                   | 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) |
| Alarm Triggers              | Analytics, Network disconnect<br>* Alarm input(with NW I/O Box)                                                                                                                                                       |
| Alarm Events                | 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)                                             |
| IR Viewable Length          | 200m(656.17ft)                                                                                                                                                                                                        |
| Water Removal               | Support(with wiper)                                                                                                                                                                                                   |
| Auto Tracking               | Object auto tracking(Person/Vehicle), Target lock tracking                                                                                                                                                            |

## Key Features

- Max. 6MP resolution
- 5~150mm (30x) optical zoom
- Max. IR viewable length 200m
- 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, WiseStreamII
- IP66, IK10, NEMA4X
- **PTZ PLUS** Design applied (Compact, Lighter, Simple cabling)

## Dimensions

Unit:mm(inch)



## XNP-8300RW

| NETWORK                           |                                                                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                          | Metal shielded RJ-45(10/100BASE-T)                                                                                                                                                                  |
| Video Compression                 | H.265/H.264: Main/Baseline/High, MJPEG                                                                                                                                                              |
| Smart Codec                       | Manual(Sea area), WiseStreamII                                                                                                                                                                      |
| Bitrate Control                   | H.264/H.265: CBR or VBR<br>MJPEG: VBR                                                                                                                                                               |
| Streaming                         | Unicast(20 users) / Multicast (128 user)<br>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, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP, SRTP    |
| Security                          | 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) |
| Application Programming Interface | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform                                                                                                                                    |

| GENERAL          |                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Webpage Language | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek                                                               |
| Web Viewer       | Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12<br>Recommended Browser: Google Chrome<br>Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only) |
| Edge Storage     | Micro SD/SDHC/SDXC 2slot 1TB                                                                                                                                                                                      |
| Memory           | 4GB RAM, 512MB Flash                                                                                                                                                                                              |

| ENVIRONMENTAL & ELECTRICAL       |                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature / Humidity | Normal : -40°C~+55°C(-40°F ~ +131°F) / Intermittent : -40°C~+60°C(-40°F ~ +140°F)<br>Maximum Temperature based on NEMA-TS 2(2.2.7) : +74°C(+165°F)<br>Less than 95% RH(Non-condensing) |
| Storage Temperature / Humidity   | -50°C~+60°C (-58°F~+140°F) / Less than 95% RH (Non-condensing)                                                                                                                         |
| Certification                    | IP66, IK10(Camera body only), NEMA4X                                                                                                                                                   |
| Input Voltage                    | HPoE(IEEE802.3bt, Class6, Type3)                                                                                                                                                       |
| Power Consumption                | HPoE(Camera only): Max 42W, typical 20W                                                                                                                                                |

| MECHANICAL                  |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| Colour / Material           | White, Black / Aluminum+Polycarbonate                                     |
| RAL Code                    | White: RAL9003 / Black: RAL9005                                           |
| Product dimensions / weight | $\varnothing 184.9 \times 318.8 \text{mm}$ (7.28x12.55") / 5.4Kg(11.90lb) |
| DORI (EN62676-4 STANDARD)   |                                                                           |
| Detect (25PPM/ 8PPF)        | Wide: 140m(460.0ft) / Tele: 4,018m(13,182.6ft)                            |
| Observe (63PPM/ 19PPF)      | Wide: 56m(184.0ft) / Tele: 1607.2m(5273.1ft)                              |
| Recognize (125PPM/ 38PPF)   | Wide: 28m(92.0ft) / Tele: 803.6m(2636.5ft)                                |
| Identify (250PPM/ 76PPF)    | Wide: 14m(401.8ft) / Tele: 46m(1318.3ft)                                  |

\* 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.