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* Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.

02-2022 (M.H)



New Generation PTZ



4K/6MP/2MP

WISeNET PTZ PLUS

XNP-9300RW/9250R/9250

XNP-8300RW/8250R/8250

XNP-6400RW/6400R/6400

- Clear images with up to 4K resolution, 40x, 30x, 25x optical zoom ratio
- Up to 200 meters of IR viewable length with Wise IR
- Enhanced preset with accuracy of $\pm 0.1^\circ$
- Quick Pan, Tilt correction (within 1 second)
- Built-in wiper, quick spin, and heater for the perfect water removal
- Easy and safe installation with compact and light-weighted camera body
- AI deep learning based object tracking (Target-lock tracking with right click)
- Wisenet7 SoC applied

Learn more about
PTZ PLUS



4K
30X
Zoom



Diverse PTZ Lineup

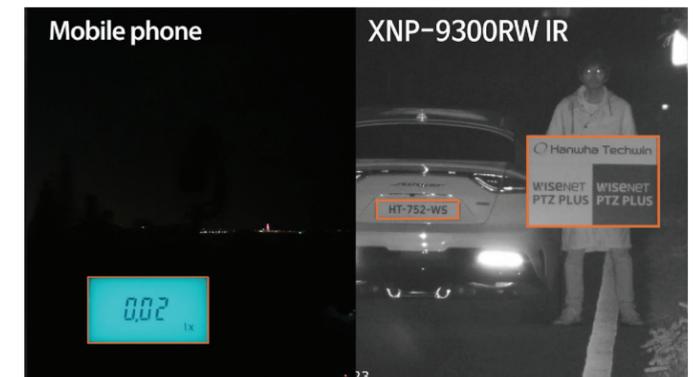
Hanwha Techwin's PTZ product portfolio has been reinforced with the release of PTZ PLUS. Products with the resolutions ranging from 2MP and 6MP to up to 4K, and powerful optical zoom up to 55x are available. And the built-in wiper and IR add variety in portfolio as well. You can experience Hanwha Techwin's latest technology with the compact size 4K 30x, 2MP 40x PTZ cameras.

| | |
|--|--|
| <p>4K 30x, 25x Normal / IR / Wiper + IR NEW</p>  <p>Wiper + IR IR Normal</p> | <p>6MP 30x, 25x Normal / IR / Wiper + IR NEW</p>  <p>Wiper + IR IR Normal</p> |
| <p>2MP 40x Normal / IR / Wiper + IR NEW</p>  <p>Wiper + IR IR Normal</p> | <p>2MP 55x, 37x, 32x</p>  <p>IR</p> |

Powerful Performance

Clear images both in dark and distant scenes with high resolution, high optical zoom and Wise IR

4K/6MP/2MP Wisenet PTZ PLUS offers the best PTZ experience with Hanwha Techwin's in-house developed 4K 30x optical lens and structure. Also the Wise IR which optimizes amount of IR coverage and zoom ratio allows vivid view up to 200 meters in complete dark scenes.



Accurate pre-set and quick Pan and Tilt correction

PTZ PLUS supports a pre-set accuracy $\pm 0.1^\circ$, and quickly resumes the original position within one second when an unintended distortion of Panning and tilting is detected. Also, as PTZ cameras are often used for long distance monitoring with the extreme zoom, returning to its original position after Pan and Tilt movement is very important. Even a small error in returning to its original position can greatly affect the accuracy of zoom. PTZ PLUS resolves such issues and provides accurate preset with the accuracy of $\pm 0.1^\circ$. When detecting the distortion of Panning and tilting, the camera resumes its original position within one second.



AI-based Object Auto Tracking

PTZ PLUS utilizes AI algorithms to automatically designate people or vehicles for object tracking. They also allow users to manually target objects on screen for continuous tracking.



2-step perfect water removal

Since the PTZ cameras generally used outdoors, the lens can be affected by snow, rainwater, or dust and when they are adhered to the lens, they can limit the view. 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. Models without built-in wiper quickly spin the camera body to remove water first, then dries remaining water with the heater. It minimizes impacts of external environments and secures clear and vivid images.

Models with built-in wiper
(XNP-9300RW/8300RW/6400RW)

Models without built-in wiper
(XNP-9300R/9300/8300R/8300/6400R/6400)



User Convenience

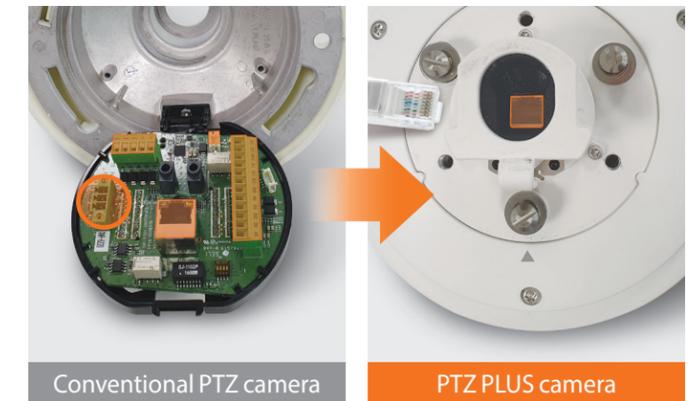
Weight and size reduced up to 65%, better performance, easier Installation

PTZ PLUS reduced the weight by up to 65% for the Dome type (For XNP-9300) and the size became more compact than conventional PTZ cameras. More compact and lighter design significantly reduce the burden of installation. Moreover, the lightened head increased the speed of Pan/Tilt.



5 to 1, easy cable connection making the perfect waterproof

PTZ PLUS is connected to a single RJ45 cable, supporting easy connection. Compared to conventional models which required 5 cables for the connection, the connection became so much simple. And this simple-1-cable structure and the Flexible bush secure the perfect waterproof without needs for extra waterproofing.



Quick and easy camera-mount installation

When connecting PTZ PLUS camera onto the mount, installers can simply match three joints and twist for the initial connection. This allows installers work with both hands, and therefore, greatly improves work efficiency.



Improved features

Precise PTZ control

PTZ PLUS supports delicate and precise PTZ control. Conventional PTZ cameras had challenges in offering precise monitoring of moving objects due to its pre-set centered movement. PTZ PLUS provides stable object monitoring using precise PTZ control when a user wants to track moving objects manually.



Widened Tilt angle

PTZ PLUS offers 110° (-20° ~ 90°) of Tilt angle, enabling effective monitoring of objects positioned above the camera level and objects in sloped environment.



Focus save function of up to 32 areas

Using focus save, the camera automatically sets focus when a camera moves to the user's predefined area.

The feature enables clear monitoring of an area of interest by quickly setting focus when an event occurs. Do not miss any event. (Can configure up to 32 areas)

PTZ PLUS lineup main Specification



XNP-9300RW
4K 30x Wiper + IR PTZ camera



XNP-8300RW
6MP 30x Wiper + IR PTZ camera



XNP-6400RW
2MP 40x Wiper + IR PTZ camera

| | | | |
|----------------------------------|---|-------------|--|
| Imaging Device | 1/2.8" CMOS | | |
| Resolution / Max. Frame Rate | 4K / 30fps | 6MP / 30fps | 2MP / 60fps |
| Focal Length | 5~150mm(30x) zoom | | 4.25~170mm(40x) zoom |
| Min. Illumination | Color : 0.1Lux (F1.6, 1/30sec) BW : 0Lux (IR LED On) | | Color : 0.05Lux (F1.6, 1/30sec) BW : 0Lux (IR LED On) |
| IR Viewable Length | 200m(656.17ft), Wise IR | | |
| Pan / Tilt / Rotate | 360° Endless / 110° (-20° ~ 90°) | | |
| Pan Speed | Max. 500°/sec, Manual: 0.024°/sec ~ 250°/sec | | |
| Tilt Speed | Max. 350°/sec, Manual: 0.024°/sec ~ 250°/sec | | |
| Preset Accuracy | ±0.1°, Pan/Tilt correction | | |
| Digital Image Stabilization | Support | | |
| Alarm / Audio | Supports network I/O box | | |
| Edge Storage | Micro SD/SDHC/SDXC 2slot 1TB | | |
| Operating Temperature / Humidity | Normal : -40°C ~ +55°C (-40°F ~ +131°F) / Maximum Temperature based on NEMA-TS 2(2.2.7) : +74°C (+165°F) Less than 95% RH (Non-condensing) | | |
| Certification | IP66, IK10 (Camera body only), NEMA4X, NEMA-TS 2(2.2.8, 2.2.9) | | IP66, IK10 (Camera body only), NEMA4X |
| Dimensions (WxHxD) / Weight | Ø184.9x318.8mm (7.28x12.55") / 5.4Kg (11.90lb) | | |
| Focus Control | Oneshot AF, Focus save | | |
| Auto tracking | Object tracking (Human/Vehicle), Target lock tracking | | |
| Cybersecurity | Basic + Device certificate (Hanwha Techwin Root CA) + Cyber security assurance program UL CAP (UL 2900-1) | | |

PTZ PLUS lineup
main specification



XNP-9250R
4K 25x IR PTZ camera



XNP-8250R
6MP 25x IR PTZ camera



XNP-6400R
2MP 40x IR PTZ camera

| | | | |
|----------------------------------|--|-------------|---|
| Imaging Device | 1/2.8" CMOS | | |
| Resolution / Max. Frame Rate | 4K / 30fps | 6MP / 30fps | 2MP / 60fps |
| Focal Length | 5~150mm(25x) zoom | | 4.25~170mm(40x) zoom |
| Min. Illumination | Color: 0.1Lux (F1.6, 1/30sec) BW: 0Lux (IR LED On) | | Color: 0.05Lux (F1.6, 1/30sec) BW: 0Lux (IR LED On) |
| IR Viewable Length | 200m(656.17ft), Wise IR | | |
| Pan / Tilt / Rotate | 360° Endless / 110° (-20°~90°) | | |
| Pan Speed | Max. 700°/sec, Manual: 0.024°/sec~250°/sec | | |
| Tilt Speed | Max. 500°/sec, Manual: 0.024°/sec~250°/sec | | |
| Preset Accuracy | ±0.1°, Pan/Tilt correction | | |
| Digital Image Stabilization | Support | | |
| Alarm / Audio | Supports network I/O box | | |
| Edge Storage | Micro SD/SDHC/SDXC 2slot 1TB | | |
| Operating Temperature / Humidity | Normal: -40°C~+55°C (-40°F ~ +131°F) / Maximum Temperature based on NEMA-TS 2(2.2.7): +74°C(+165°F) Less than 95% RH(Non-condensing) | | -40°C~+50°C (-40°F ~ +122°F) / +74°C (+165°F) (MAX) based on NEMA-TS 2(2.2.7) * Start up should be done at above -30°C Less than 95% RH(Non-condensing) |
| Certification | IP66, IK10, NEMA4X | | |
| Dimensions (WxHxD) / Weight | Ø158x293.3mm(6.22x11.55") / 2.8Kg(6.17lb) | | |
| Focus Control | Oneshot AF, Focus save | | |
| Auto tracking | Object tracking (Human/Vehicle), Target lock tracking | | |
| Cybersecurity | Basic + Device certificate (Hanwha Techwin Root CA) | | |



XNP-9250
4K 25x PTZ camera



XNP-8250
6MP 25x PTZ camera



XNP-6400
2MP 40x PTZ camera

| | | | |
|----------------------------------|--|-------------|---|
| Imaging Device | 1/2.8" CMOS | | |
| Resolution / Max. Frame Rate | 4K / 30fps | 6MP / 30fps | 2MP / 60fps |
| Focal Length | 5~150mm(25x) zoom | | 4.25~170mm(40x) zoom |
| Min. Illumination | Color: 0.1Lux (F1.6, 1/30sec) BW: 0.01Lux (F1.6, 1/30sec) | | Color: 0.05Lux (F1.6, 1/30sec) BW: 0.005Lux (IR LED On) |
| IR Viewable Length | 200m(656.17ft), Wise IR | | |
| Pan / Tilt / Rotate | 360° Endless / 110° (-20°~90°) | | |
| Pan Speed | Max. 700°/sec, Manual: 0.024°/sec~250°/sec | | |
| Tilt Speed | Max. 500°/sec, Manual: 0.024°/sec~250°/sec | | |
| Preset Accuracy | ±0.1°, Pan/Tilt correction | | |
| Digital Image Stabilization | Support | | |
| Alarm / Audio | Supports network I/O box | | |
| Edge Storage | Micro SD/SDHC/SDXC 2slot 1TB | | |
| Operating Temperature / Humidity | Normal: -40°C~+55°C (-40°F ~ +131°F) / Maximum Temperature based on NEMA-TS 2(2.2.7): +74°C(+165°F) Less than 95% RH(Non-condensing) | | -40°C~+50°C (-40°F ~ +122°F) / +74°C (+165°F) (MAX) based on NEMA-TS 2(2.2.7) * Start up should be done at above -30°C Less than 95% RH(Non-condensing) |
| Certification | IP66, IK10, NEMA4X | | |
| Dimensions (WxHxD) / Weight | Ø158x293.3mm(6.22x11.55") / 2.8Kg(6.17lb) | | |
| Focus Control | Oneshot AF, Focus save | | |
| Auto tracking | Object tracking (Human/Vehicle), Target lock tracking | | |
| Cybersecurity | Basic + Device certificate (Hanwha Techwin Root CA) | | |

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