XNP-9300RW
4K Network 30x IR PTZ with built-in wiper

Key Features
• 4K resolution
• 5~150mm (30x) optical zoom
• Maximum 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, NEMA TS-2 2.2.8 (Vibration) & 2.2.9 (Shock)
• PTZ PLUS Design applied (Compact, Lighter, Simple cabling)
• -20° tilt look-up capability to see above the horizon.
### Video

<table>
<thead>
<tr>
<th>Imaging Device</th>
<th>1/2.8” CMOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>3840x2160, 2592x1444, 2592x1464, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240</td>
</tr>
</tbody>
</table>
| Maximum Framerate | H.265/H.264: Maximum 30fps  
MJPEG: Maximum 30fps |
| Minimum Illumination | Color: 0.1Lux(F1.6, 1/30sec)  
BW: 0Lux(IR LED On) |

### Lens

<table>
<thead>
<tr>
<th>Focal Length (Zoom Ratio)</th>
<th>5~150mm(30x) zoom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Aperture Ratio</td>
<td>F1.6(Wide) - F4.56(Tele)</td>
</tr>
<tr>
<td>Angular Field of View</td>
<td>H: 57.42°(Wide)~2.19°(Tele) / V: 33.54°(Wide)~1.25°(Tele)</td>
</tr>
<tr>
<td>Minimum Object Distance</td>
<td>3m(9.84ft)</td>
</tr>
<tr>
<td>Focus Control</td>
<td>Oneshot AF, Focus save</td>
</tr>
<tr>
<td>Lens Type</td>
<td>DC auto iris</td>
</tr>
</tbody>
</table>

### Pan / Tilt / Rotate

<table>
<thead>
<tr>
<th>Pan Range</th>
<th>360˚ Endless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pan Speed</td>
<td>Maximum 500°/sec, Manual: 0.024°/sec~250°/sec</td>
</tr>
<tr>
<td>Tilt Range</td>
<td>110°(-20°~90°) -20° tilt look-up capability to see above the horizon.</td>
</tr>
<tr>
<td>Tilt Speed</td>
<td>Maximum 350°/sec, Manual: 0.024°/sec~250°/sec</td>
</tr>
<tr>
<td>Sequence</td>
<td>Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule±0.1˚, Pan/Tilt correction</td>
</tr>
<tr>
<td>Preset Accuracy</td>
<td></td>
</tr>
</tbody>
</table>

### Operational

<table>
<thead>
<tr>
<th>Camera Title</th>
<th>Displayed up to 85 characters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direction Indicator</td>
<td>Support</td>
</tr>
<tr>
<td>Day &amp; Night</td>
<td>Auto(ICR)/Color/BW/Schedule</td>
</tr>
<tr>
<td>Backlight Compensation</td>
<td>BLC, HLC, WDR, SSDR</td>
</tr>
<tr>
<td>Wide Dynamic Range</td>
<td>Extreme WDR(120dB)</td>
</tr>
<tr>
<td>Digital Noise Reduction</td>
<td>SSNRV</td>
</tr>
<tr>
<td>Digital Image Stabilization</td>
<td>Support(built-in gyro sensor)</td>
</tr>
<tr>
<td>Defog</td>
<td>Support</td>
</tr>
<tr>
<td>Motion Detection</td>
<td>8ea, 8point polygonal zones</td>
</tr>
</tbody>
</table>
| Privacy Masking | 32ea, rectangular Support  
- Color: Grey/Green/Red/Blue/Black/White  
- 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  
* Audio detection, Sound classification(with NW I/O Box) |
### Alarm Triggers
- Analytics, Network disconnect
  - *Alarm input (with NW I/O Box)*
- PTZ Preset
- Handover
  - *Alarm output (with NW I/O Box)*

### Alarm Events
- File upload via FTP and e-mail
- Notification via e-mail
- SD/SDHC/SDXC or NAS recording at event triggers
- PTZ Preset
- Handover
  - *Alarm output (with NW I/O Box)*

### IR Viewable Length
- 200m (656.17 ft), Wise IR

### Water Removal
- Support (with wiper & lens heater)

### Auto Tracking
- Object auto tracking (Person/Vehicle), Target lock tracking

### Network
#### Ethernet
- Metal shielded RJ-45 (10/100BASE-T)

#### Video Compression
- H.265/H.264: Main/Baseline/High, MJPEG

#### Smart Codec
- Manual (5ea area), WiseStream II

#### Bitrate Control
- H.264/H.265: CBR or VBR
- MJPEG: VBR

#### Streaming
- Unicast (20 users) / Multicast (128 user)
- Multiple streaming (Up to 10 profiles)

#### Protocol
- IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QUIC, Bonjour, LLDP, SRTP

#### Security
- HTTPS (SSL) Login Authentication
- Digest Login Authentication
- IP Address Filtering
- User access log
- 802.1X Authentication (EAP-TLS, EAP-LEAP)
- Device certificate (Hanwha Techwin Root CA)

#### Application Programming Interface
- ONVIF Profile S/G/T
- SUNAPI (HTTP API)
- Wisenet open platform

### General
#### Webpage Language
- English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek

### Edge Storage
- Micro SD/SDHC/SDXC 2 slots 1TB total maximum capacity

### 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)
- Maximum Temperature based on NEMA-TS 2 (2.2.7): +74°C (165°F)
- 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, UL CAP, NEMA TS-2 2.2.8 (Vibration) & 2.2.9 (Shock)

#### Input Voltage
- HPoE (IEEE802.3bt, Class6, Type3, Injector included)

#### Power Consumption
- HPoE (Camera only): Maximum 42W, typical 20W

### Mechanical
#### Color / Material
- White, Black / Aluminum+Polycarbonate

#### RAL Code
- White: RAL 9003 / Black: RAL 9005

#### Product dimensions / weight
- Ø184.9x318.8mm (7.28x12.55") / 5.4Kg (11.90 lb)
<table>
<thead>
<tr>
<th>DORI (EN62676-4 standard)</th>
<th>Wide</th>
<th>Tele</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detect (25PPM/ 8PPF)</td>
<td>122m(398.7ft)</td>
<td>3482m(11424.9ft)</td>
</tr>
<tr>
<td>Observe (63PPM/ 19PPF)</td>
<td>49m(159.5ft)</td>
<td>1393m(4570.0ft)</td>
</tr>
<tr>
<td>Recognize (125PPM/ 38PPF)</td>
<td>24m(79.7ft)</td>
<td>697m(2285.0ft)</td>
</tr>
<tr>
<td>Identify (250PPM/ 76PPF)</td>
<td>12m(39.8ft)</td>
<td>348m(1142.5ft)</td>
</tr>
</tbody>
</table>

- The latest product information / specification can be found at hanwhasecurity.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.