



Network

PTZ

# XNP-C9253R

8MP 25x AI PTZ Camera

FC

UL LISTED

CE

EAC



## Key Features

- Max. 8MP resolution
- 5~125mm(25x) zoom (digital 32x, total 800x 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)

# XNP-C9253R

8MP 25x AI PTZ Camera



## Specifications

| Video                       |   |
|-----------------------------|---|
| Imaging Device              | 1/2.8" CMOS   |
| Resolution                  | 3840x2160, 2592x1944, 2592x1464, 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) (@8MP Max. 5fps)   |
| Min. Illumination           | Color: 0.1Lux(F1.6, 1/30sec)<br>BW: 0Lux(IR LED On)   |
| Lens                        |   |
| Focal Length (Zoom Ratio)   | 5~125mm(25x) zoom (digital 32x, total 800x zoom)  |
| Max. Aperture Ratio         | F1.6(Wide)~F3.73(Tele)  |
| Angular Field of View       | H: 57.42°(Wide)~2.71°(Tele) / V: 33.54°(Wide)~1.55°(Tele)   |
| Min. Object Distance        | 5m(16.4ft)  |
| 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 ±0.1°, 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(120dB)  |
| Digital Noise Reduction     | SSNR V  |
| Digital Image Stabilization | Support(built-in gyro sensor)   |
| Defog                       | Support   |
| Motion Detection            | 8ea, 8point polygonal zones   |
| Privacy Masking             | 32ea, Quadrangle Support<br>- Color: Grey/Green/Red/Blue/Black/White<br>- Mosaic  |
| Gain Control                | Manual / Max  |
| White Balance               | ATW /Narrow ATW /AWC /Manual /Indoor /Outdoor /Mercury /Sodium  |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com)

Hanwha Vision is formerly known as Hanwha Techwin.

|                                   |   |
|-----------------------------------|---|
| Electronic Shutter Speed          | Minimum / Maximum / Anti flicker (2~1/12,000sec)  |
| Video Rotation                    | Flip, Mirror  |
| Analytics                         | Classified object type : Person/Face/Vehicle/License plate<br>Attributes : Vehicle(Type:car/bus/truck/motorcycle/bicycle)<br>Support DetectionShot<br>Analytics events based on AI engine<br>- Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit)<br>Analytics events<br>- Defocus detection, Motion detection, Tampering, Fog detection, Shock detection, Virtual area(Appear/Disappear)<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), Wise IR   |
| Water Removal                     | Support(Spinning dry)   |
| Auto Tracking                     | Object auto tracking(Person/Vehicle), Target lock tracking  |
| <b>Network</b>                    |   |
| 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<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, NTCIP, MQTT   |
| Application Programming Interface | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform  |
| <b>Security</b>                   |   |
| OS / Firmware Protect             | Secure boot, Signed firmware, Firmware encryption   |
| User authentication               | Digest Authentication, Prevent brute-force attack   |
| Network authentication            | 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)   |
| Secure Communication              | HTTPS, SRTP, WSS(Web socket secure)   |
| Access Control                    | IP address filtering  |
| Data Protect                      | Authentication information encryption, ZIP compression encryption   |
| Audit                             | User Access/System/Event log  |
| Device ID                         | Device Certificate(Hanwha Techwin Root CA, pre-installed)   |
| Secure Storage                    | TPM 2.0 with FIPS 140-2 level2  |
| Security Certificate              | Secure by default   |
| <b>General</b>                    |   |
| Webpage Language                  | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek  |
| Edge Storage                      | Micro SD/SDHC/SDXC 2slot 1TB  |
| Memory                            | 4GB RAM, 512MB Flash  |

---

**Environmental & Electrical**

|                                  |  |
|----------------------------------|--|
| Operating Temperature / Humidity | -40°C~+55°C(-40°F ~ +131°F) /<br>+74°C(+165°F) (MAX) based on NEMA-TS 2(2.2.7)<br>* Start up should be done at above -30°C<br>0~95% RH(Non-condensing) |
| Storage Temperature / Humidity   | -50°C ~ +60°C(-58°F ~ +140°F) / 0~90% RH   |
| Certification                    | IP66, IK10, NEMA4X, NEMA-TS 2(2.2.8, 2.2.9)  |
| Input Voltage                    | HPoE(IEEE802.3bt, Class6, Type3, Injector included)  |
| Power Consumption                | Typical 24W, Max 40W   |

---

**Mechanical**

|                             |   |
|-----------------------------|---|
| 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(7.05lb)                                   |

---

**DORI (EN62676-4 standard)**

|                           |  |
|---------------------------|--|
| Detect (25PPM/ 8PPF)      | Wide: 140.2m(460.0ft) / Tele: 3246.9m(10652.4ft) |
| Observe (63PPM/ 19PPF)    | Wide: 56.1m(184.0ft) / Tele: 1298.7m(4261.0ft)   |
| Recognize (125PPM/ 38PPF) | Wide: 28.0m(92.0ft) / Tele: 649.4m(2130.5ft)     |
| Identify (250PPM/ 76PPF)  | Wide: 14.0m(46.0ft) / Tele: 324.7m(1065.2ft)     |