

# QNP-6320

2MP Network PTZ Camera



FC | UL LISTED | CE | EAC

## Key Features

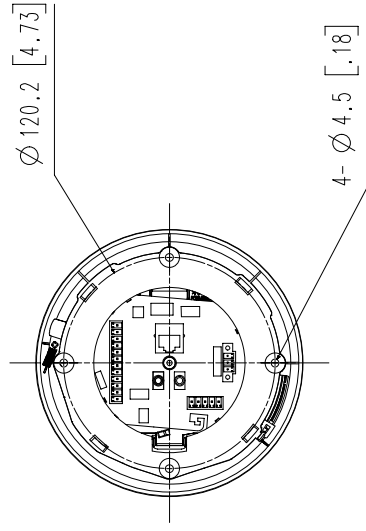
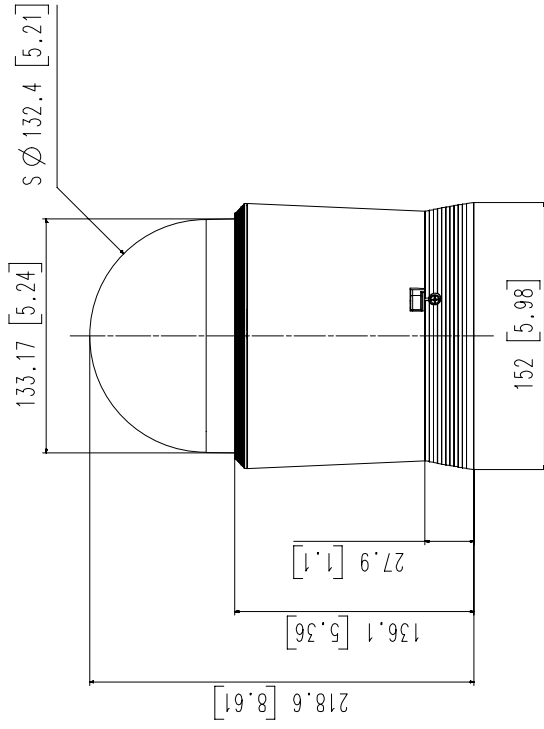
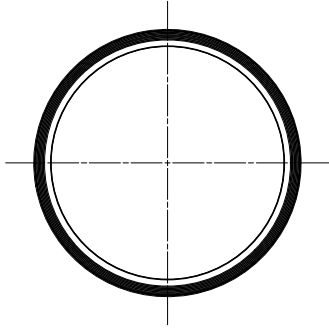
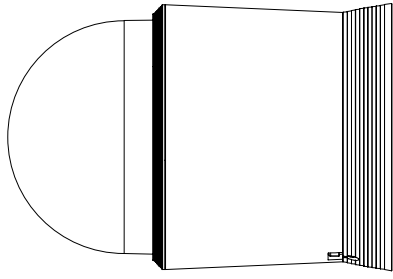
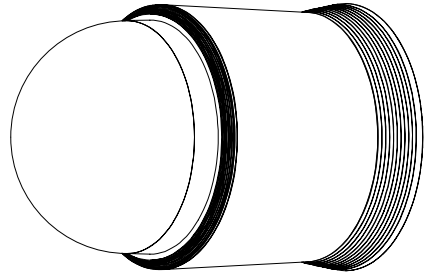
- Max. 2MP resolution
- 4.44~142.6mm (32x) lens
- Day & Night (ICR), WDR, DIS (Built-in gyro sensor)
- Intelligent Analytics
- H.264, H.265, MJPEG codec, WiseStreamII
- Micro SD/SDHC/SDXC 1slot 256GB

| 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(F1.6, 1/30sec)                                                      |
| Lens                        |                                                                                                                   |
| Focal Length (Zoom Ratio)   | 4.44~142.6mm(32x) zoom                                                                                            |
| Max. Aperture Ratio         | F1.6(Wide)~F4.4(Tele)                                                                                             |
| Angular Field of View       | H: 64.66(Wide)~2.29(Tele) / V: 38.08(Wide)~1.30(Tele)                                                             |
| Min. Object Distance        | Wide: 1.5m(4.92ft), Tele: 2m(6.56ft)                                                                              |
| Focus Control               | Oneshot AF                                                                                                        |
| Lens Type                   | DC auto iris                                                                                                      |
| Pan / Tilt / Rotate         |                                                                                                                   |
| Pan Range                   | 360 Endless                                                                                                       |
| Pan Speed                   | Preset: 700/sec, Manual: 0.024/sec~200/sec                                                                        |
| Tilt Range                  | 105(-15~90)                                                                                                       |
| Tilt Speed                  | Preset: 300/sec, Manual: 0.024/sec~200/sec                                                                        |
| Sequence                    | Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule                                                 |
| Preset Accuracy             | ±0.2                                                                                                              |
| Operational                 |                                                                                                                   |
| Camera Title                | Displayed up to 85 characters                                                                                     |
| Direction Indicator         | Support                                                                                                           |
| Day & Night                 | Auto(ICR)                                                                                                         |
| Backlight Compensation      | BLC, HLC, WDR, SSDR                                                                                               |
| Wide Dynamic Range          | 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>- Solid/Mosaic                            |
| Gain Control                | Low / Middle / High                                                                                               |
| White Balance               | ATW / AWC / Manual / Indoor / Outdoor / Mercury / Sodium                                                          |
| Electronic Shutter Speed    | Minimum / Maximum / Anti flicker (2~1/12,000sec)                                                                  |
| Video Rotation              | Flip, Mirror                                                                                                      |
| Analytics                   | Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line, Audio detection                     |

|                                       |                                                                                                                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm I/O                             | Input 4ea / Output 2ea                                                                                                                                                                          |
| Alarm Triggers                        | Analytics, Network disconnect, Alarm input                                                                                                                                                      |
| 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)                       |
| Audio In                              | Selectable(mic in/line in)<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm                                                                                                              |
| Audio Out                             | Line out, Max.output level: 1Vrms                                                                                                                                                               |
| <b>Network</b>                        |                                                                                                                                                                                                 |
| Ethernet                              | RJ-45(10/100BASE-T)                                                                                                                                                                             |
| Video Compression                     | H.265/H.264,MJPEG                                                                                                                                                                               |
| Audio Compression                     | G.711 u-law /G.726 Selectable<br>G.726(ADPCM) 8KHz, G.711 8KHz<br>G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps<br>AAC-LC: 48Kbps at 16KHz                                                              |
| 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 |
| 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)                                           |
| Application Programming Interface     | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform                                                                                                                                |
| <b>General</b>                        |                                                                                                                                                                                                 |
| 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 1slot 256GB                                                                                                                                                                  |
| Memory                                | 1024MB RAM, 256MB Flash                                                                                                                                                                         |
| <b>Environmental &amp; Electrical</b> |                                                                                                                                                                                                 |
| Operating Temperature / Humidity      | -10°C~+55°C (-58°F ~ +131°F) / Less than 95% RH                                                                                                                                                 |
| Storage Temperature / Humidity        | -30°C~+60°C (-58°F~+140°F) / Less than 95% RH                                                                                                                                                   |
| Input Voltage                         | PoE+(IEEE802.3at, Class4)                                                                                                                                                                       |
| Power Consumption                     | Max. 14.5W, Typ. 12W                                                                                                                                                                            |
| <b>Mechanical</b>                     |                                                                                                                                                                                                 |

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Color / Material                 | White                                          |
| RAL Code                         | RAL9003                                        |
| Product Dimensions / Weight      | Ø152x218mm(5.98x8.58"), 1.7Kg(3.75 lb)         |
| <b>DORI (EN62676-4 standard)</b> |                                                |
| Detect (25PPM/ 8PPF)             | Wide: 64.2m(199.1ft) / Tele: 1921.3m(6303.4ft) |
| Observe (63PPM/ 19PPF)           | Wide: 24.3m(79.6ft) / Tele: 768.5m(2521.4ft)   |
| Recognize (125PPM/ 38PPF)        | Wide: 12.1m(39.8ft) / Tele: 384.3m(1260.7ft)   |
| Identify (250PPM/ 76PPF)         | Wide: 6.1m(19.9ft) / Tele: 192.1m(630.3ft)     |

- 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, formerly known as Samsung Techwin.



|               |                    |                |
|---------------|--------------------|----------------|
| 4             | QNP-6320, QNP6250  | 21.04.30       |
| 3             | QNP-6230           | -              |
| 2             | XNP-6320, XNP-6321 | -              |
| 1             | SNP-6321           | -              |
| No.           | MODEL NAME         | DATE           |
| Unit:mm[inch] | SCALE:1/1          | Hanuha Techwin |