



Network

Fisheye

# XNF-8010R

6MP H.265 Fisheye Camera



## Key Features

- Max. 2048 x 2048 resolution
- H.265, H.264, MJPEG codec supported
- Fisheye, Single panorama, Double panorama, Quad view
- On board dewarping, Digital PTZ (8x), Bi-directional audio
- True WDR (120dB), WiseStream II support
- Tampering, Loitering, Directional detection
- Audio detection, Sound classification, Heatmap
- People counting, Queue management

## Compatible Accessories (Optional)



SBP-300CM



SBP-300PM



SBP-300KM



SBP-300WM1



SBP-300HM5



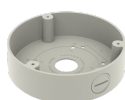
SBP-300LM



SBP-390WM2



SBP-300WM



SBF-100B1



SBP-300B



SHD-1600FPW



SHF-1500F



SBP-300NB



SBP-300TM1

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## Specifications

| Video                     |                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device            | 1/1.8" 6M CMOS                                                                                                                                                                                                                                                                                                                                               |
| Resolution                | Original view: 2048x2048, 1280x1280, 1080x1080, 960x960, 768x768, 720x720, 640x640, 480x480<br>Single panorama: 2048x512, 1920x480, 1280x320, 640x160, 704x176<br>Double panorama: 2048x1024, 1920x960, 1280x640, 640x320, 704x352<br>Quad view: 2048x1536, 1600x1200, 1280x960, 1024x768, 800x600, 640x480, 704x576<br>Q1/2/3/4: 1024x768, 800x600, 640x480 |
| Max. Framerate            | H.264/H.265 : 30fps/25fps@2048x2048(60Hz/50Hz)<br>MJPEG : Max 15fps                                                                                                                                                                                                                                                                                          |
| Min. Illumination         | Color: 0.1 Lux (F1.6, 1/30sec), BW: 0 Lux (IR LED On)                                                                                                                                                                                                                                                                                                        |
| Video Out                 | CVBS: 1.0 Vp-p / 75Ω composite, 714x480(N), 702x576(P) for Installation<br>USB: Micro USB Type B, for installation                                                                                                                                                                                                                                           |
| Lens                      |                                                                                                                                                                                                                                                                                                                                                              |
| Focal Length (Zoom Ratio) | 1.6mm fixed focal                                                                                                                                                                                                                                                                                                                                            |
| Max. Aperture Ratio       | F1.6                                                                                                                                                                                                                                                                                                                                                         |
| Angular Field of View     | H: 192- / V: 192- / D: 192-                                                                                                                                                                                                                                                                                                                                  |
| Min. Object Distance      | 0.3m                                                                                                                                                                                                                                                                                                                                                         |
| Focus Control             | Simple remote control focus via network                                                                                                                                                                                                                                                                                                                      |
| Operational               |                                                                                                                                                                                                                                                                                                                                                              |
| Camera Title              | Displayed up to 85 characters                                                                                                                                                                                                                                                                                                                                |
| Day & Night               | Auto(ICR)                                                                                                                                                                                                                                                                                                                                                    |
| Backlight Compensation    | BLC, HLC, WDR, SSSDR                                                                                                                                                                                                                                                                                                                                         |
| Wide Dynamic Range        | 120dB                                                                                                                                                                                                                                                                                                                                                        |
| Digital Noise Reduction   | SSNR V                                                                                                                                                                                                                                                                                                                                                       |
| Defog                     | Support                                                                                                                                                                                                                                                                                                                                                      |
| Motion Detection          | 8ea, 8point polygonal zones                                                                                                                                                                                                                                                                                                                                  |
| Privacy Masking           | 32ea, Quadrangle zones<br>- Color: 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, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification                                                                                                                                                                                                             |
| Business Intelligence     | People counting, Queue management, Heatmap                                                                                                                                                                                                                                                                                                                   |
| Alarm I/O                 | Input 1ea / Output 1ea                                                                                                                                                                                                                                                                                                                                       |
| Alarm Triggers            | Analytics, Network disconnect, Alarm input                                                                                                                                                                                                                                                                                                                   |

## XNF-8010R

|                                       |                                                                                                                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>Alarm output                                                                               |
| Audio In                              | Selectable(mic in/line in/built-in mic)<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm                                                                                                            |
| Audio Out                             | Line out, Max.output level: 1Vrms                                                                                                                                                                          |
| IR Viewable Length                    | 15m(49.21ft)                                                                                                                                                                                               |
| <b>Radiometry</b>                     |                                                                                                                                                                                                            |
| Temperature Accuracy                  | 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                                                                         |
| <b>Network</b>                        |                                                                                                                                                                                                            |
| Ethernet                              | RJ-45(10/100BASE-T)                                                                                                                                                                                        |
| Video Compression                     | H.265/H.264: Main/Baseline/High, 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                             | 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, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, SRTP(Unicast) |
| 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, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek                                                        |
| Edge Storage                          | Micro SD/SDHC/SDXC 2slot 512GB                                                                                                                                                                             |
| Memory                                | 1024MB RAM, 256MB Flash                                                                                                                                                                                    |
| <b>Environmental &amp; Electrical</b> |                                                                                                                                                                                                            |
| Operating Temperature / Humidity      | -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH                                                                                                                                                          |
| Storage Temperature / Humidity        | -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH                                                                                                                                                           |
| Certification                         | EN55011:2009+A1:2010, EN50581:2012, EN50121-3-2:2015, EN61000-4-2:2009, EN61000-4-3:2006+A2:2010, EN61000-4-4:2012, EN61000-4-5:2014, EN61000-4-6:2009, EN50155:2007                                       |
| Input Voltage                         | PoE(IEEE802.3af, Class3), 12VDC                                                                                                                                                                            |
| Power Consumption                     | PoE: Max 12W<br>12VDC: Max 11W                                                                                                                                                                             |
| <b>Mechanical</b>                     |                                                                                                                                                                                                            |
| Color / Material                      | Ivory / Aluminum                                                                                                                                                                                           |
| Product Dimensions / Weight           | Ø146x54.8mm(Ø5.75x2.16"), 730g(1.61 lb)                                                                                                                                                                    |

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.

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CAD

Unit:mm [inch]

