



Network

Рыбий глаз

# XNF-9010RV

12МП Fisheye камера с ИК-подсветкой



## Key Features

- 1/2,3" 12 Мп КМОП
- Объектив 1,08 мм с постоянным фокусом
- Объектив со стереографической проекцией, увеличенное разрешение для периферийных зон
- Поддержка кодеков H.265, H.264, MJPEG
- Вид типа рыбий глаз, одиночная панорама, двойная панорама, 4-зональный вид
- Встроенная функция устранения искажений, цифровая функция PTZ
- extreme WDR (120 дБ), поддержка WiseStream II
- Wise IR, дальность видимости с ИК подсветкой 10 м
- Поддержка виртуального канала
- Поддержка плагинов, возможность выбора порта ввода/вывода
- Видеоаналитика, тепловая карта, подсчет людей
- Управление очередями
- Крышка для купольных камер с твердым покрытием
- Обнаружение движения, передача данных на PTZ камеру, IP66/IK10/NEMA4X

# XNF-9010RV

12МП Fisheye камера с ИК-подсветкой



## Specifications

|                           |                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video                     |                                                                                                                                                                                                                            |
| Imaging Device            | 1/2.3" CMOS                                                                                                                                                                                                                |
| Resolution                | Original view(1:1): 3008x3008~480x480<br>Double panorama(2:1): 3584x1792~640x320<br>Single panorama(4:1): 3584x896~640x160<br>Quad view: 3584x2688~640x480<br>Q1/Q2/Q3/Q4(4:3): 1792x1344~640x480                          |
| Max. Framerate            | H.265/H.264:<br>Original view-Max. 30fps/25fps@3008x3008(60Hz/50Hz),<br>Double panorama-Max. 30fps/25fps@3584x1792(60Hz/50Hz)<br>Single panorama-Max. 30fps/25fps@3584x896(60Hz/50Hz)<br>MJPEG: Max. 30fps(@9MP Max. 5fps) |
| Min. Illumination         | Color: 0.39 Lux(F2.2, 1/30sec)<br>BW: 0Lux(IR LED on)                                                                                                                                                                      |
| Video Out                 | CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for Installation<br>USB: Micro USB Type B, 1280x720 for installation                                                                                               |
| Lens                      |                                                                                                                                                                                                                            |
| Focal Length (Zoom Ratio) | 1.08mm fixed focal                                                                                                                                                                                                         |
| Max. Aperture Ratio       | F2.2                                                                                                                                                                                                                       |
| Angular Field of View     | H: 187° / V: 187° / D: 187°                                                                                                                                                                                                |
| Min. Object Distance      | 0.5m(1.64ft)                                                                                                                                                                                                               |
| Focus Control             | Simple focus                                                                                                                                                                                                               |
| Operational               |                                                                                                                                                                                                                            |
| Camera Title              | Displayed up to 85 characters                                                                                                                                                                                              |
| Day & Night               | Auto(ICR)                                                                                                                                                                                                                  |
| Backlight Compensation    | BLC, HLC, WDR, SDR                                                                                                                                                                                                         |
| Wide Dynamic Range        | extremeWDR(120dB)                                                                                                                                                                                                          |
| Digital Noise Reduction   | SSNR V                                                                                                                                                                                                                     |
| Motion Detection          | 8ea, 8point Polygonal zones                                                                                                                                                                                                |
| Privacy Masking           | 32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- Mosaic                                                                                                                                      |
| Gain Control              | Off / Max Gain / Manual                                                                                                                                                                                                    |
| White Balance             | ATW / NarrowATW / AWC / Manual / Indoor / Outdoor                                                                                                                                                                          |
| LDC                       | Support(Fill/stretch mode)                                                                                                                                                                                                 |
| Electronic Shutter Speed  | Minimum / Maximum / Anti flicker(2~1/12,000sec)<br>prefer shutter control                                                                                                                                                  |
| Video Rotation            | Flip, Mirror                                                                                                                                                                                                               |
| Analytics                 | Defocus detection, 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                 | 2 configurable I/O ports                                                                                                                                                                                                   |

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.

|                    |                                                                                                                                                                                                                                                                                       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm Triggers     | Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription                                                                                                                                                                                               |
| Alarm Events       | When alarm trigger occurred<br>- File upload(image): e-mail/FTP<br>- Notification: e-mail<br>- Recording: SD/SDHC/SDXC or NAS recording at event triggers<br>- Alarm output<br>- Handover: PTZ preset, send message by HTTP/HTTPS/TCP<br>- Audio clip playback<br>- MQTT: publication |
| 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 | WiseIR 10m(32.8ft)                                                                                                                                                                                                                                                                    |

|                                   |                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Network</b>                    |                                                                                                                                                                                                                                                                                                                                  |
| Ethernet                          | Metal shielded 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                         | Unicast(20 users) / Multicast<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, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT                                                                                                            |
| 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, EAP-PEAP MSCHAPv2)<br>Device Certificate(Hanwha Techwin Root CA, pre-installed)<br>HTPM(Hanwha Trusted platform module)<br>Secure OS/Boot/Storage, Verify firmware forgery |
| 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, Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian |
| Edge Storage     | Micro SD/SDHC/SDXC 2slot Max. 1TB(512GBx2)                                                                                                 |
| Memory           | 4GB RAM, 512MB Flash                                                                                                                       |

|                                       |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| <b>Environmental &amp; Electrical</b> |                                                              |
| Operating Temperature / Humidity      | -40°C~+60°C(-40°F~+140°F) / 0~95% RH(non-condensing)         |
| Storage Temperature / Humidity        | -50°C~+60°C(-58°F~+140°F) / 0~95% RH                         |
| Certification                         | IP66, NEMA4X, IK10                                           |
| Input Voltage                         | PoE(IEEE802.3af, class3), 12VDC                              |
| Power Consumption                     | PoE: Max 12.95W, typical 11W<br>12VDC: Max 11W, typical 9.1W |

|                   |                                             |
|-------------------|---------------------------------------------|
| <b>Mechanical</b> |                                             |
| Color / Material  | White / Aluminum<br>Hard-coated dome bubble |
| RAL Code          | RAL9003                                     |

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|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Product Dimensions / Weight       | ø160x72mm(ø6.30x2.83"), 1100g(2.43 lb) |
| Compatible Conduit hole / Gangbox | single, double, 4" octagon, 4" square  |
| Hanging Mount (Dome)              | SBP-167HMW                             |

#### Certifications & Standards

|             |                                                                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC         | FCC 47 CFR 15 Subpart B Class A<br>ICES-3(A)/NMB-3(A)<br>CE/UKCA<br>- EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3<br>VCCI CISPR 32 Class A<br>RCM AS/NZS CISPR 32 Class A<br>KS C 9832 Class A, KS C 9835 |
| Safety      | UL 62368-1, CAN/CSA C22.2 NO. 62368-1<br>IEC 62471                                                                                                                                                                     |
| Environment | EN IEC 63000<br>IEC 60529 IP66, IEC 62262 IK10<br>NEMA 250 type 4X                                                                                                                                                     |

#### DORI (EN62676-4 standard)

|                           |                 |
|---------------------------|-----------------|
| Detect (25PPM/ 8PPF)      | 34.9m(114.49ft) |
| Observe (63PPM/ 19PPF)    | 13.9m(45.60ft)  |
| Recognize (125PPM/ 38PPF) | 7.0m(22.96ft)   |
| Identify (250PPM/ 76PPF)  | 3.5m(11.48ft)   |