

# XNF-8010R/8010RV/8010RVM

6MP Sensor Fisheye Camera



XNF-8010R

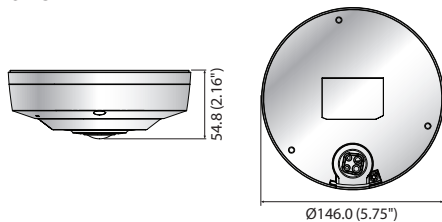
XNF-8010RV/8010RVM

## Key Features

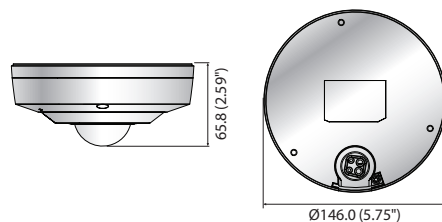
- Max. 2048 x 2048 resolution
- H.265, H.264, MJPEG codec supported
- Variable view mode (Fisheye, Single panorama, Double panorama, Quad view)
- On board dewarping, Digital PTZ (8x), Bi-directional audio
- True WDR (120dB), WiseStreamII support
- Tampering, Loitering, Directional detection, Audio detection, Sound classification, Heatmap, People counting, Queue management
- Motion detection, Handover
- M12 connector (XNF-8010RVM)
- IP66 / IK10 (XNF-8010RV/8010RVM)
- SD / SDHC / SDXC memory slot (Max. 512GB), 12V DC / PoE
- IR viewable length 15m (49.21ft)

## Dimensions

Unit : mm (inch)



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## Accessories (Optional)



SHF-1500F

SBP-300HM5

SBP-300CM

SBP-300WM1

SBP-300WM

SBP-300LM

SBP-300TM1

SBP-300PM

SBP-300KM

SBP-300B

SBP-300NB

SFB-100B1

## XNF-8010R/8010RV/8010RVM

<b>VIDEO</b>	Imaging Device: 1/1.8" 6M CMOS Total Pixels / Effective Pixels: 3,096(H) x 2,094(V) / 2,048(H) x 2,048(V) Scanning System: Progressive Min. Illumination: Color: 0.1 Lux (F1.6), B/W: 0 Lux (IR LED On) S/N Ratio: 50dB Video Output: CVBS: 1.0Vpp / 75Ω Composite, 714x480(N), 702x576(P) for Installation, DIP Connector Type, USB
<b>LENS</b>	Focal Length / Max. Aperture Ratio: 1.6mm / F1.6 Angular Field of View: H: 192° / V: 192° / D: 192° Min. Object Distance: 0.3m (0.98ft) Focus Control: Simple focus / Manual, Remote control Via network Lens Type / Mount Type: Fixed / Board-in Type
<b>OPERATIONAL</b>	Viewable Length: 15m (49.21ft) Camera Title: Off / On (Displayed up to 85 characters) - W/W: English / Numeric / Special characters - China: English / Numeric / Special / Chinese characters - Common: Multi-line (Max. 5), Color (Gray / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution Day & Night: Auto (ICR) / Color / B/W / External / Schedule Backlight Compensation: Off / BLC / HLC / WDR Wide Dynamic Range: 120dB Contrast Enhancement: SDR (Off / On) Digital Noise Reduction: SSNRV (2D + 3D Noise filter) (Off / On) Digital Image Stabilization: Off / On Defog: Off / Auto (input from fog detection) / Manual Motion Detection: Off / On (8ea, 8point polygonal zones), Handover Privacy Masking: Off / On (32ea, polygonal) - Color: Gray, Green, Red, Blue, Black, White - Mosaic Gain Control: Off / Low / Middle / High White Balance: ATW / AWC / Manual / Indoor / Outdoor (Included mercury & Sodium) Electronic Shutter Speed: Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec) Digital Zoom: 8x, Digital PTZ (Preset, Group) Flip / Mirror: Off / On Intelligent Video Analytics: Tampering, Loitering, Directional detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Sound classification, People counting, Heatmap, Queue management Alarm I/O: Input 1ea / Output 1ea Alarm Triggers: Alarm Input, Motion detection, Video & Audio analytics, Network disconnect Alarm Events: File upload Via FTP and E-Mail, Notification Via E-Mail, Local storage (SD/SDHC/SDXC) or NAS recording at event triggers, External output Viewing Composition: Camera Side: Fisheye, Single panorama, Double panorama, Fisheye + 4 PTZ Quad View, Fisheye + 8 PTZ Pixel Counter: Support
<b>NETWORK</b>	Ethernet: RJ-45 (10/100 BASE-T) Video Compression Format: H.265 / H.264 / MJPEG Resolution: Original view: 2048 x 2048, 1280 x 1280, 1080 x 1080, 960 x 960, 768 x 768, 720 x 720, 640 x 640, 480 x 480 Single panorama: 2048 x 512, 1920 x 480, 1280 x 320, 640 x 160, 704 x 176 Double panorama: 2048 x 1024, 1920 x 960, 1280 x 640, 640 x 320, 704 x 352 Quad View: 2048 x 1536, 1600 x 1200, 1280 x 960, 1024 x 768, 800 x 600, 640 x 480, 704 x 576 [Q1 / 2 / 3 / 4] 1024 x 768, 800 x 600, 640 x 480 Max. Framerate: H.265 / H.264: 30fps@2,048 x 2,048, MJPEG: Max. 15fps Smart Codec / WiseStreamII: Manual mode (area-based: 5ea) / support Video Quality Adjustment: H.265 / H.264: Target bitrate level control, MJPEG: Quality level control Bitrate Control Method: H.265 / H.264: CBR or VBR, MJPEG: VBR Streaming Capability: Multiple streaming (Up to 10 profiles) Audio In: Selectable (Mic in / Line in / Built-in mic) Supply voltage: 2.5V DC (4mA), Input impedance: Approx. 2K Ohm Audio Out: Line out (3.5mm mono jack), Max output level: 1 Vrms G.711 u-law/G.726 Selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps, AAC-LC: 48Kbps at 16KHz (XNF-8010R) (at 8 / 16 / 32 / 48KHz: XNF-8010RV/8010RVM) Audio Communication: Bi-directional (2way) IP: IPv4, IPv6 Protocol: TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTCP, RTP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, SIP Security: HTTPS (SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x Authentication (EAP-TLS, EAP-LEAP) Streaming Method: Unicast / Multicast Max. User Access: 20 users at unicast mode SD/SDHC/SDXC 2slot (up to 512GB) - Continuous recording (1st slot to 2nd slot) - Motion images recorded in the SD/SDHC/SDXC memory card can be downloaded. - Camera can detect automatically when the memory is connected - Memory status display (Normal / Error / Active / Formatting / Lock) NAS (Network Attached Storage), Local PC for instant recording (Plug-in Viewer only) ONVIF Profile S/G, SUNAPI, Wisenet open platform
<b>ENVIRONMENTAL</b>	Operating Temperature / Humidity: -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (XNF-8010R) -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (XNF-8010RV/8010RVM) Storage Temperature / Humidity: -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH Ingress Protection / Vandal Resistance: IP66 / IK10 (XNF-8010RV/8010RVM) Vibration Resistance: EN55011-2:2009+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
<b>MECHANICAL</b>	Color / Material: Ivory / Aluminum Dimension (WxHxD): Ø146 x 54.8mm (Ø5.75" x 2.16") (XNF-8010R) Ø146 x 65.8mm (Ø5.75" x 2.59") (XNF-8010RV/8010RVM) Weight: 730g (1.61 lb) (XNF-8010R) / 785g (1.73 lb) (XNF-8010RV) / 790g (1.74 lb) (XNF-8010RVM)

\* The latest product information / specification can be found at 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.