



Network

Fisheye

# XNF-9010RS

Stainless IR Fisheye Camera



## Key Features

- 1/2.3" 12MP CMOS
- 1.08mm fixed focal lens
- Stereo graphic type lens - enhanced resolution for the peripheral regions
- H.265, H.264, MJPEG codec supported
- Fisheye, Single panorama, Double panorama, Quad view
- On board dewarping, Digital PTZ
- extreme WDR (120dB), WiseStream II support
- Wise IR - IR viewable length 8m (26.25ft)
- Virtual channel support
- Plugin support, selectable I/O port
- Video Analytics, Heatmap, People counting
- Queue management
- Stainless Steel
- Motion detection, Handover
- IP66, IP67, IP6K9K, NEMA4X, IK10, IK10+ (it can resist impacts of 40 joules), NSF/ANSI Standard 169 - Special Purpose Food Equipment and Devices



# XNF-9010RS

Stainless IR Fisheye Camera

## Specifications

### Video

<b>Imaging Device</b>	1/2.3" 12MP CMOS
<b>Resolution</b>	Original view(1:1): 3008x3008~480x480, Double panorama(2:1): 3584x1792~640x320, Single panorama(4:1): 3584x896~640x160, Quad view: 3584x2688~640x480, Q1/Q2/Q3/Q4(4:3): 1792x1344~640x480
<b>Max. Framerate</b>	H.265/H.264: Original view-Max.30fps/25fps@3008x3008(60Hz/50Hz), Double panorama-Max.30fps/25fps@3584x1792(60Hz/50Hz) Single panorama-Max.30fps/25fps@3584x896(60Hz/50Hz) MJPEG: Max.30fps/25fps@1080x1080(60Hz/50Hz)
<b>Min. Illumination</b>	Color: 0.39 Lux (F2.2, 1/30sec), BW : 0Lux(IR LED on)
<b>Video Out</b>	CVBS : 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for Installation USB: Micro USB Type B, 1280x720 for installation

### Lens

<b>Focal Length (Zoom Ratio)</b>	1.08mm fixed focal
<b>Max. Aperture Ratio</b>	F2.2
<b>Angular Field of View</b>	H: 187° / V: 187° / D: 187°
<b>Min. Object Distance</b>	0.5m(1.64ft)
<b>Focus Control</b>	Simple focus

### Operational

<b>Camera Title</b>	Displayed up to 85 characters
<b>Day &amp; Night</b>	Auto(ICR)
<b>Backlight Compensation</b>	BLC, HLC, WDR, SSSR
<b>Wide Dynamic Range</b>	extremeWDR (120dB)
<b>Digital Noise Reduction</b>	SSNR V
<b>Motion Detection</b>	8ea, 8point polygonal zones
<b>Privacy Masking</b>	32ea, polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic
<b>Gain Control</b>	Low / Middle / High
<b>White Balance</b>	ATW / Narrow ATW / AWC / Manual / Indoor / Outdoor
<b>Electronic Shutter Speed</b>	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
<b>Video Rotation</b>	Flip, Mirror
<b>Analytics</b>	Defocus detection, Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification
<b>Business Intelligence</b>	People counting, Queue management, Heatmap
<b>Alarm I/O</b>	2 configured I/O
<b>Alarm Triggers</b>	Analytics, Network disconnect, Alarm input
<b>Alarm Events</b>	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output PTZ Preset Handover Audio playback
<b>Audio In</b>	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm

<b>Audio Out</b>	Line out, Max. output level: 1Vrms
<b>IR Viewable Length</b>	8m(26.25ft), Wise IR

## Network

<b>Ethernet</b>	Metal shielded RJ-45(10/100BASE-T)
<b>Video Compression</b>	H.265/H.264: Main/Baseline/High, MJPEG
<b>Audio Compression</b>	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
<b>Smart Codec</b>	Manual(Sea area), WiseStream II
<b>Bitrate Control</b>	H.264/H.265: CBR or VBR MJPEG: VBR
<b>Streaming</b>	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
<b>Protocol</b>	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, SRTP (TCP, UDP Unicast)
<b>Security</b>	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA)
<b>Application Programming Interface</b>	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

## General

<b>Webpage Language</b>	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
<b>Edge Storage</b>	Micro SD/SDHC/SDXC 2slot 1TB(512GBx2)
<b>Memory</b>	4096MB RAM, 512MB Flash

## Environmental & Electrical

<b>Operating Temperature / Humidity</b>	-40°C ~ +50°C (-40°F ~ +122°F) / Less than 95% RH
<b>Storage Temperature / Humidity</b>	-50°C ~ +60°C(-58°F ~ +140°F) / Less than 95% RH
<b>Certification</b>	IP66, IP67, IP6K9K, NEMA4X, IK10, IK10+(it can resist impacts of 40 joules), NSF/ANSI Standard 169 – Special Purpose Food Equipment and Devices.
<b>Input Voltage</b>	PoE(IEEE802.3af, Class3), 12VDC
<b>Power Consumption</b>	PoE: Max 12.95W, typical 11W 12VDC: Max 11W, typical 9.1W

## Mechanical

<b>Color / Material</b>	Silver / Stainless(SUS316L), Nylon dome bubble
<b>RAL Code</b>	RAL9003
<b>Product Dimensions / Weight</b>	ø167.9 x 72.1mm(6.610x28.38"), 2,980g(6.57lb)
<b>Compatible Conduit hole / Gangbox</b>	Single, Double, 4"Octagon, Square
<b>Hanging Mount (Dome)</b>	SBB-300HMS6

## DORI (EN62676-4 standard)

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

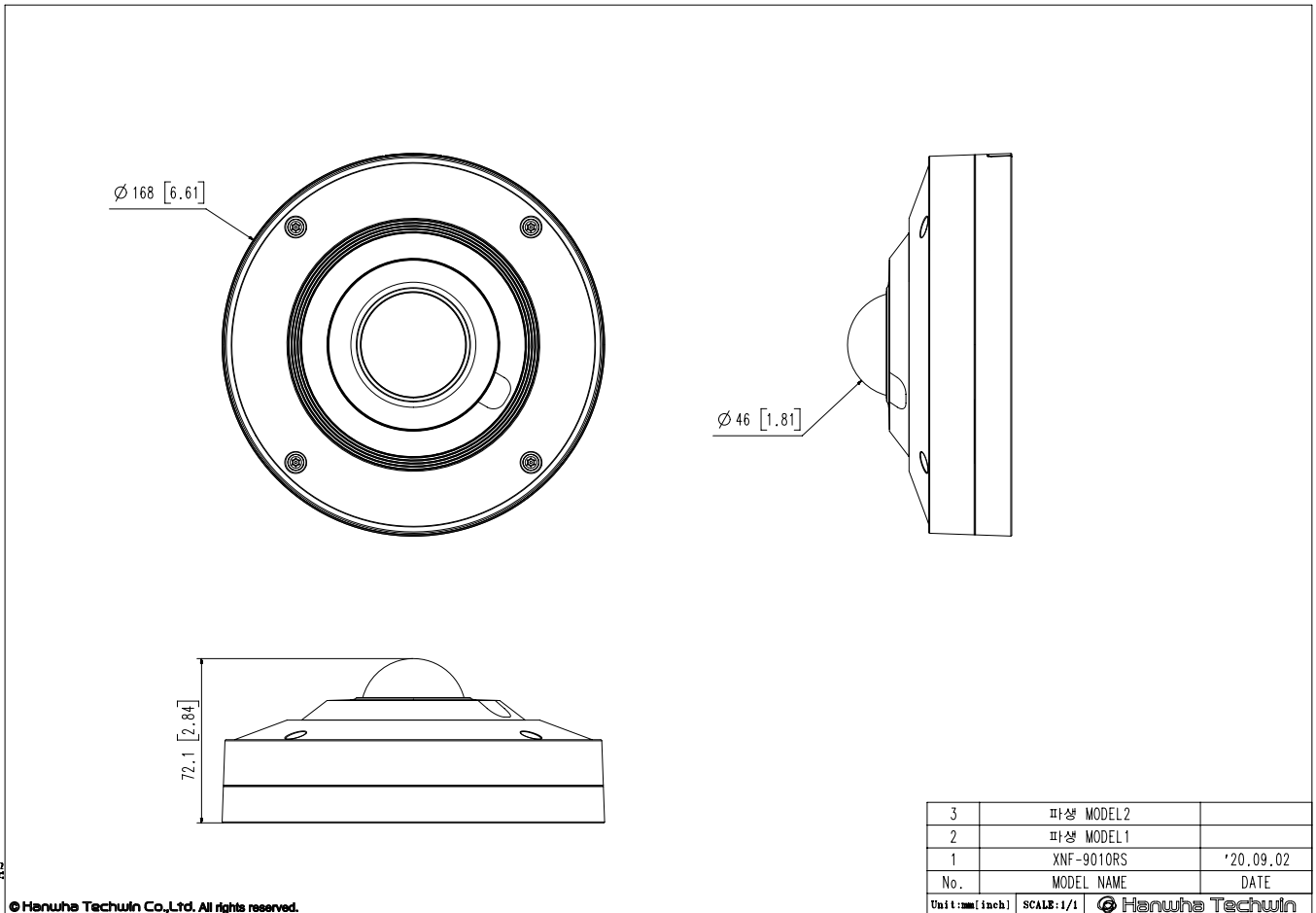
# XNF-9010RS

Stainless IR Fisheye Camera



Unit: mm [inch]

CAD



A2

© Hanwha Techwin Co., Ltd. All rights reserved.