



Network

Dome

## XND-9082RF

4K IR Dome Camera



### Key Features

- 4K resolution
- 2.8~8.4mm(3x) motorized varifocal
- 0.05Lux@F1.2 (Color), 0Lux (B/W, IR LED on)
- Max.30fps@4K (H.265/H.264)
- IR viewable length 40m
- Day & Night (ICR), extreme WDR (120dB)
- DIS with built-in Gyro sensor
- Video Analytics  
(Defocus, Directional detection, Audio detection, Shock detection, Face/Upper body detection)
- Dual SD slots (Max. 1TB)
- Modular structure, PoE support
- IP52, Plenum rate, IK10

### Compatible Accessories (Optional)



SPB-FCD85W

# XND-9082RF

4K IR Dome Camera



## Specifications

Video	
Imaging Device	1/2.8" progressive CMOS
Resolution	3840x2160, 3328x1872, 3072x1728, 2592x1944, 2688x1520, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps/12fps(60Hz/50Hz)
Min. Illumination	Color: 0.05Lux(F1.2, 1/30sec, 30IRE) B/W: 0.005Lux(F1.2, 1/30sec, 30IRE), 0Lux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation USB: Micro USB Type B, 1280x720 for installation
Lens	
Focal Length (Zoom Ratio)	2.8~8.4mm(3x) motorized varifocal
Max. Aperture Ratio	F1.2(Wide)~F2.8(Tele)
Angular Field of View	H: 114°(Wide)~40.2°(Tele) V: 62.0°(Wide)~22.5°(Tele) D: 133.0°(Wide)~46.3°(Tele)
Min. Object Distance	0.7m (2.23ft)
Focus Control	Simple focus
Lens Type	DC Auto Iris, P iris
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0~~360- / -45~~85- / 0~~355-
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SDDR
Wide Dynamic Range	extremeWDR (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 zones - Color : Gray, Green, Red, Blue, Black, White - Mosaic
Gain Control	Support
White Balance	ATW / Narrow ATW / AWC / Manual / Indoor / Outdoor
LDC	Support (Fill/stretch mode)
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec) prefer shutter control
Video Rotation	Flip, Mirror, Hallway view(90°/270°)

Analytics	Defocus detection, Directional detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Fog detection, Virtual line, Audio detection, Sound classification, Shock detection, Face/upper body detection
Business Intelligence	People counting, Queue management, Heatmap
Alarm I/O	2 configurable I/O ports
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	When alarm trigger occurred - File upload(image) : e-mail/FTP - Notification : e-mail - Recording : SD/SDHC/SDXC or NAS recording at event triggers - Alarm output - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) - Audio clip playback
Audio In	Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms
IR Viewable Length	WiseIR 40m(131.23ft)
<b>Network</b>	
Ethernet	Metal shielded RJ-45(10/100/1000BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
Audio Compression	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
Smart Codec	Manual(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles, 3 virtual channel support)
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, SRTP (TCP, UDP Unicast)
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Device Certificate(Hanwha Techwin Root CA, pre-installed) Secure by default certificate HTPM (Hanwha Trusted platform module) Secure OS/Boot/Storage, Verify firmware forgery CyberSecurity assurance program UL CAP (UL 2900-1)
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform
<b>General</b>	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian
Edge Storage	Micro SD/SDHC/SDXC 2slot 1TB(512GBx2)
Memory	4GB RAM, 512MB Flash
<b>Environmental &amp; Electrical</b>	
Operating Temperature / Humidity	-25°C ~ +60°C(-13°F ~ +140°F) / 0 ~ 95% RH(non condensing)
Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / 0 ~ 90% RH
Certification	IP52, Plenum rated, IK10
Input Voltage	PoE(IEEE802.3af), 12VDC

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.

Power Consumption	PoE : Max 12.95W, typical 10.7W 12VDC : Max 11.5W, typical 9.0W Power redundancy failover
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## Mechanical

Color / Material	White / Aluminum, Hard-coated dome bubble
RAL Code	RAL9003
Product Dimensions / Weight	Ø205x163mm(8.07x6.42"), 1950g(4.29 lb)

## DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide: 49.9m(163.71ft) / Tele: 209.9m(688.65ft)
Observe (63PPM/ 19PPF)	Wide: 19.9m(65.29ft) / Tele: 83.9m(275.26ft)
Recognize (125PPM/ 38PPF)	Wide: 10.0m(32.80ft) / Tele: 42.0m(137.80ft)
Identify (250PPM/ 76PPF)	Wide: 5.0m(16.40ft) / Tele: 21.0m(68.90ft)