

XND-8020R/8030R/8040R

5M Network IR Dome Camera

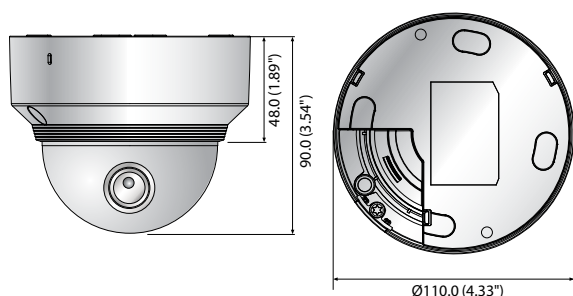


Key Features

- Max. 5Megapixel (2560 x 1920) resolution
- Built-in 3.7mm fixed lens (XND-8020R)
4.6mm fixed lens (XND-8030R)
7.0mm fixed lens (XND-8040R)
- Max. 30fps@all resolutions (H.265 / H.264)
- H.265, H.264, MJPEG codec Supported, Multiple streaming
- Day & Night (ICR), WDR (120dB), Defog
- Loitering, Directional detection, Fog Detection, Audio detection, Digital Auto Tracking, Sound classification, Heatmap, People Counting, Queue Management, Tampering
- Motion detection, Handover
- SD / SDHC / SDXC memory slot (Max. 512GB), PoE / 12V DC
- Hallway View, WiseStreamII Support
- IR Viewable length 30m, IK08
- LDC Support (Lens Distortion Correction)

Dimensions

Unit : mm (inch)



XND-8020R/8030R/8040R	
VIDEO	
Imaging Device	1/1.8" 6M CMOS
Total Pixels	3,096(H) x 2,094(V)
Effective Pixels	2,616(H) x 1,976(V)
Scanning System	Progressive Scan
Min. Illumination	Color : 0.16Lux (F1.6, 1/30sec), B/W : 0Lux (IR LED on)
S/N Ratio	50dB
Video Out	CVBS : 1.0Vpp / 75Ω composite, 720 x 480(N), 720 x 576(P), for Installation USB : Micro USB Type B, 1280 x 720 for Installation
LENS	
Focal Length (Zoom Ratio)	3.7mm Fixed (XND-8020R), 4.6mm Fixed (XND-8030R), 7mm Fixed (XND-8040R)
Max. Aperture Ratio	F1.6
Angular Field of View	H : 97.5° / V : 71.9° / D : 126.2° (XND-8020R), H : 77.9° / V : 57.9° / D : 98.7° (XND-8030R), H : 50.7° / V : 37.8° / D : 63.8° (XND-8040R)
Min. Object Distance	0.4m (1.31ft)
Focus Control	Manual
Lens / Mount Type	Fixed / Board-in Type
PAN/TILT/ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
IR Viewable Length	30m (98.43ft) 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 (Grey / Green / Red / Blue / Black / White), Transparency, Auto scale by Resolution
Camera Title	Day & Night Backlight Compensation Wide Dynamic Range Contrast Enhancement Digital Noise Reduction Digital Image Stabilization Defog Motion Detection Privacy Masking Gain Control White Balance Contrast LDC (Lens Distortion Correction) Electronic Shutter Speed Digital PTZ Flip / Mirror
Video & Audio Analytics	Auto (ICR) / Color / B/W / External / Schedule Off / BLC / HLC (Masking / Dimming), WDR 120dB SSDR (Off / On) SSNRV (2D + 3D Noise filter) (Off / On) Off / On Off / Auto (Input from fog Detection) / Manual Off / On (8ea, 8point polygonal zones), Handover Off / On (32ea, polygonal) - Color : Grey / Green / Red / Blue / Black / White, Mosaic Off / Low / Middle / High ATW / AWC / Manual / Indoor / Outdoor (Included mercury & Sodium) Level adjustment Off / On (5 Levels with min / max) Minimum / Maximum / Anti Flicker (2 ~ 1/12,000sec) 24x, Digital PTZ (Preset, Group) Off / On, Hallway View : 90°/270° Tampering, Loitering, Directional detection, Defocus Detection, Fog Detection, Virtual line, Enter / Exit, (Dis) Appear, Audio detection, Face detection, Motion detection, Digital Auto Tracking, Sound Classification, Heatmap, People Counting, 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, E-mail, Notification via e-mail, Local Storage (SD / SDHC / SDXC) or NAS recording at event triggers, External output, DPTZ preset
Pixel Counter	Support
NETWORK	
Ethernet	RJ-45 (10/100 BASE-T)
Video Compression Format	H.265 / H.264 (MPEG-4 part 10/AVC) : Main / Baseline / High, MJPEG
Resolution	2560 x 1920, 2560 x 1440, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240
Max. Framerate	H.265 / H.264 : Max. 30fps at all resolutions, MJPEG : Max. 30fps
Smart Codec	Manual Mode (Area-Based : 5ea)
WiseStreamII	Support
Video Quality Adjustment	H.265 / H.264 : Target bitrate level control, MJPEG : Target bitrate level control
Bitrate Control Method	H.265 / H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 10 Profiles) Selectable (Mic in / Line in), Built-in MIC, Max Output Level : 1Vrms
Audio In	Supply voltage : 2.5V DC (4mA), Input Impedance : Approx. 2K Ohm
Audio Out	Line out, Max Output Level : 1Vrms
Audio Compression Format	G.711 u-law/G.726 Selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps, AAC-LC : 48Kbps at 8 / 16 / 32 / 48KHz
Audio Communication	Bi-directional (2-way)
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTCP, RTPS, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
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
Edge Storage	SD / SDHC / SDXC 2Slot (Up to 512GB) - Continuous recording (1st Slot to 2nd Slot) NAS (Network Attached Storage), Local PC for Instant Recording
Application Programming Interface	ONVIF profile S/G, SUNAPI (HTTP API), WISENET Open Platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Non-plugin Web Viewer - Supported Browser : Google Chrome 54, MS Edge 38, Mozilla Firefox 49 (Window 64bit only), Apple Safari 9 * Mac OS X only Plug-in Web Viewer - Supported Browser : MS Explore 11, Apple Safari 9 * Mac OS X only
Web Viewer	
Central Management Software	SmartViewer, SSM
ENVIRONMENTAL	
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
Vandal Resistance	IK08
ELECTRICAL	
Input Voltage / Current	12V DC ±10%, PoE (IEEE802.3af)
Power Consumption	Max. 8W (12VDC), Max. 9W (PoE)
MECHANICAL	
Color / Material	Ivory / Metal
Dimensions (WxH)	Ø110.0 x 90.0mm (Ø4.33" x 3.54")
Weight	380g (0.84 lb)

* The latest product information / specification can be found at hanwha-security.com
* Design and specifications are subject to change without notice.

