

# QND-8010R/QND-8020R/QND-8030R

5M H.265 NW IR Dome Camera



## Key Features

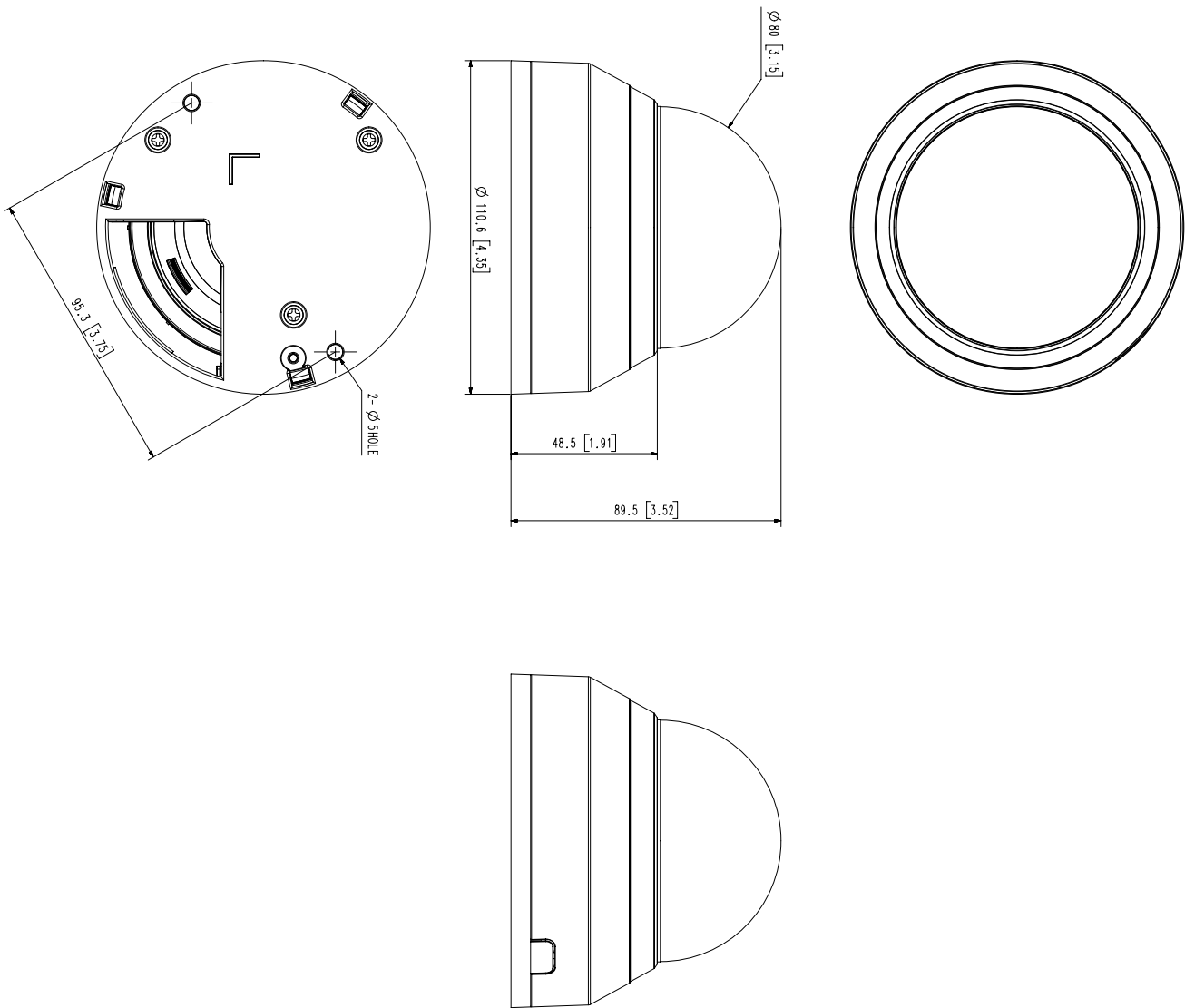
- Max. 5Megapixel (2592 x 1944) resolution
- 2.8mm/4mm/6mm fixed lens
- 0.15Lux (Color), 0Lux (B/W, IR LED on)
- Max. 30fps@5MP (H.265 / H.264)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day & Night, WDR (120dB)
- Tampering, Motion detection, Defocus detection
- Micro SD / SDHC / SDXC memory slot (Max. 128GB)
- Hallway view, WiseStream II support
- IR Viewable length 20m, PoE

<b>Video</b>	
Imaging Device	1/2.8" 5MP CMOS
Effective Pixels	2592(H)x1944(V)
Min. Illumination	Color: 0.15Lux BW: 0Lux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation
<b>Lens</b>	
Focal Length (Zoom Ratio)	2.8mm/4mm/6mm
Max. Aperture Ratio	F2.0
Angular Field of View	Horizontal: 2.8mm - 104.7° / 4mm - 82° / 6mm - 49.4°
Focus Control	Fixed
Pan / Tilt / Rotate Range	0°~350° / 0°~67° / 0°~355°
<b>Operational</b>	
IR Viewable Length	20m(65.62ft)
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Motion Detection	4ea, polygonal zones
Privacy Masking	6ea, rectangular zones
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output
<b>Network</b>	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
Resolution	2592x1944, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps/12fps(60Hz/50Hz)
Smart Codec	WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR

<b>Streaming</b>	Unicast(6 users) / Multicast Multiple streaming (Up to 3 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
<b>Security</b>	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
<b>Edge Storage</b>	Micro SD/SDHC/SDXC 1slot 128GB
<b>Application Programming Interface</b>	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform
<b>Web Viewer</b>	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.12, 10.13, 10.14 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
<b>Memory</b>	512MB RAM, 256MB Flash
<b>Environmental</b>	
<b>Operating Temperature / Humidity</b>	-10°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH
<b>Storage Temperature / Humidity</b>	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
<b>Electrical</b>	
<b>Input Voltage</b>	PoE(IEEE802.3af, Class3)
<b>Power Consumption</b>	PoE: Max 7.5W, typical 5.8W
<b>Mechanical</b>	
<b>Color / Material</b>	White / Plastic, Aluminum
<b>RAL Code</b>	RAL9003
<b>Product dimensions / weight</b>	Ø110.6x89.5mm(Ø4.35x3.52"), 360g

- The latest product information / specification can be found at [hanwha-security.com](http://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.

Dimension



QND-8010R/8020R/8030R  
UNIT : mm [inch]