

QND-7010R/7020R/7030R

4Megapixel Network IR Dome Camera



QND-7010R

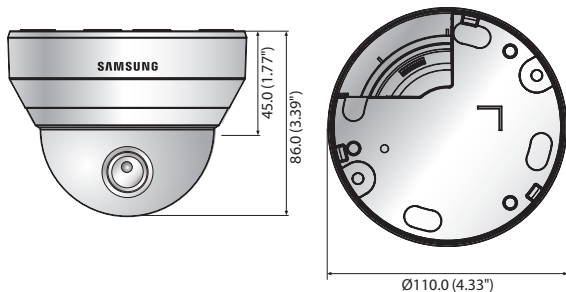
QND-7020R/7030R

Key Features

- Max. 4M resolution
- Built-in 2.8mm fixed lens (QND-7010R)
3.6mm fixed lens (QND-7020R)
6mm fixed lens (QND-7030R)
- Max. 20fps@4M, Max. 30fps@under 2M (H.265/H.264)
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Motion detection, Tampering, Defocus detection
- micro SD (128GB) memory slot, PoE / 12V DC
- IR viewable length 20m, IK08
- Hallway view, WiseStream support
- LDC support (Lens Distortion Correction)

Dimensions

Unit : mm (inch)



Accessories (Optional)



QND-7010R/7020R/7030R

| | |
|-----------------------------------|--|
| VIDEO | |
| Imaging Device | 1/3" 4M CMOS |
| Total Pixels | 2,720(H) x 1,536(V) |
| Effective Pixels | 2,688(H) x 1,520(V) |
| Scanning System | Progressive |
| Min. Illumination | Color : 0.5Lux (QND-7010R), 0.4Lux (QND-7020R), 0.3Lux (QND-7030R) B/W : 0Lux (IR LED on) |
| LENS | |
| Focal Length (Zoom Ratio) | 2.8mm fixed (QND-7010R), 3.6mm fixed (QND-7020R), 6mm fixed (QND-7030R) |
| Max. Aperture Ratio | F2.2 |
| Angular Field of View | H : 110.0° / V : 63.0° / D : 128.0° (QND-7010R) H : 81.0° / V : 45.0° / D : 95.0° (QND-7020R) H : 53.0° / V : 31.0° / D : 62.0° (QND-7030R) |
| Lens Type | Fixed |
| Mount Type | Board type |
| PAN / TILT / ROTATE | |
| Pan / Tilt / Rotate Range | 0° ~ 350° / 0° ~ 67° / 0° ~ 355° |
| OPERATIONAL | |
| IR Viewable Length | 20m (65.62ft) |
| Camera Title | Off / On (Displayed up to 20 characters per line) - 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 |
| Day & Night | True Day & Night |
| Backlight Compensation | Off / BLC / WDR |
| Wide Dynamic Range | 120dB |
| Digital Noise Reduction | SSNR (Off / On) |
| Motion Detection | Off / On (4ea polygonal zones) |
| Privacy Masking | Off / On (6ea rectangular zones) |
| Gain Control | Off / Low / Middle / High |
| White Balance | ATW / AWC / Manual / Indoor / Outdoor |
| LDC (Lens Distortion Correction) | Off / On (5 levels with min / max) |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker |
| Flip / Mirror | Flip / Mirror / Hallway view |
| Intelligent Video Analytics | Motion detection with metadata, Tampering, Defocus detection |
| Alarm I/O | Input 1 / Output 1 |
| Alarm Triggers | Motion detection, Tampering detection, SD card error, NAS error, Alarm input, Defocus detection |
| Alarm Events | File upload via FTP and E-mail, Local storage recording at event, Notification via E-mail, External output |
| Pixel Counter | Support (Plug-in viewer only) |
| NETWORK | |
| Ethernet | RJ-45 (10/100BASE-T) |
| Video Compression Format | H.265, H.264, MJPEG |
| Resolution | 2592 x 1520, 2560 x 1440 (16:9), 2304 x 1296, 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240 |
| Max. Framerate | H.265/H.264 : Max. 20fps at 4M, Max. 30fps at under 2M MJPEG : Max. 15fps |
| Smart Codec | WiseStream |
| 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 3 profiles) |
| Audio I/O | Built-in mic |
| Audio Compression Format | G.711 u-law / G.726 selectable G.726 (ADPCM) 8KHz, G.711 8KHz, G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps |
| Audio Communication | Uni-directional audio |
| IP | IPv4, IPv6 |
| Protocol | TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTCP, RTSP, 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 |
| Streaming Method | Unicast / Multicast |
| Max. User Access | 6 users at unicast mode |
| Storage | micro SD/SDHC/SDXC max. 128G, NAS - Motion images recorded in the SD memory card can be downloaded - Manual recording at local PC |
| Application Programming Interface | ONVIF Profile S/G, SUNAPI (HTTP API) |
| Webpage Language | English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Portuguese, Turkish, Polish, Czech, Dutch, Hungarian, Greek |
| Web Viewer | Supported OS : Windows 7, 8.1, 10, Mac OS X 10.9, 10.10, 10.11 Plug-in free Webviewer - Supported Browser : Google Chrome 47, MS Edge 20 Plug-in Webviewer - Supported Browser : MS Explore 11, Mozilla Firefox 43, Apple Safari 9 * Mac OS X only |
| Central Management Software | SmartViewer |
| ENVIRONMENTAL | |
| Operating Temperature / Humidity | -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH |
| Storage Temperature / Humidity | -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH |
| Vandal Resistance | IK08 |
| ELECTRICAL | |
| Input Voltage / Current | PoE (IEEE802.3af, Class3) / 12V DC |
| Power Consumption | Max. 7W (PoE), Max. 5.8W (12V DC) : QND-7010R Max. 6.5W (PoE), Max. 5.43W (12V DC) : QND-7020R/7030R |
| MECHANICAL | |
| Color / Material | Ivory / Plastic |
| Dimensions (WxH) | Ø110.0 x 86.0mm (Ø4.33" x 3.39") |
| Weight | 290g (0.64 lb) |

* The latest product information / specification can be found at <http://security.hanwhatechwin.com>