

# QNO-6010R/6020R/6030R

2Megapixel Full HD Network IR Bullet Camera

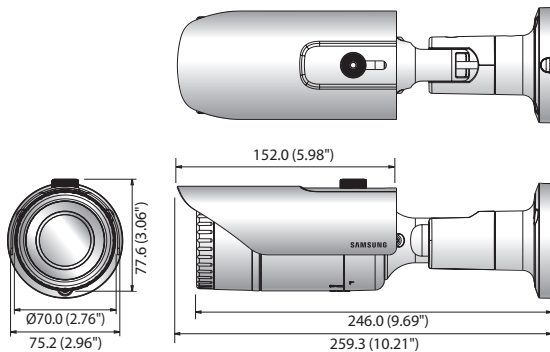


## Key Features

- Max. 2M (1920 x 1080) resolution
- Built-in 2.8mm fixed lens (QNO-6010R)  
3.6mm fixed lens (QNO-6020R)  
6mm fixed lens (QNO-6030R)
- Max. 30fps@all resolutions (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 (QNO-6010R), 25m (QNO-6020R)  
30m (QNO-6030R)
- Hallway view, WiseStream support, IP66, IK10
- LDC support (Lens Distortion Correction)

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



SBO-100B1

## QNO-6010R/6020R/6030R

| VIDEO                             |                                                                                                                                                                                                                                                                                                |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device                    | 1/2.9" 2.19M CMOS                                                                                                                                                                                                                                                                              |
| Total Pixels                      | 2,000(H) x 1,121(V)                                                                                                                                                                                                                                                                            |
| Effective Pixels                  | 1,984(H) x 1,105(V)                                                                                                                                                                                                                                                                            |
| Scanning System                   | Progressive                                                                                                                                                                                                                                                                                    |
| Min. Illumination                 | Color : 0.15Lux, B/W : 0Lux (IR LED on)                                                                                                                                                                                                                                                        |
| LENS                              |                                                                                                                                                                                                                                                                                                |
| Focal Length (Zoom Ratio)         | 2.8mm fixed (QNO-6010R), 3.6mm fixed (QNO-6020R), 6mm fixed (QNO-6030R)                                                                                                                                                                                                                        |
| Max. Aperture Ratio               | F2.0 (QNO-6010R), F1.8 (QNO-6020R/6030R)                                                                                                                                                                                                                                                       |
| Angular Field of View             | H : 116.0° / V : 62.0° / D : 137.0° (QNO-6010R)<br>H : 86.48° / V : 46.22° / D : 102.44° (QNO-6020R)<br>H : 52.54° / V : 28.86° / D : 61.14° (QNO-6030R)                                                                                                                                       |
| Lens Type                         | Fixed                                                                                                                                                                                                                                                                                          |
| Mount Type                        | Board type                                                                                                                                                                                                                                                                                     |
| OPERATIONAL                       |                                                                                                                                                                                                                                                                                                |
| IR Viewable Length                | 20m (65.62ft) : QNO-6010R, 25m (82.02ft) : QNO-6020R, 30m (98.43ft) : QNO-6030R                                                                                                                                                                                                                |
| Camera Title                      | Off / On (Displayed up to 20 characters per line)<br>- W/W : English / Numeric / Special characters<br>- China : English / Numeric / Special / Chinese characters<br>- 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                        | 1920 x 1080, 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. 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                         | Line in                                                                                                                                                                                                                                                                                        |
| Audio Compression Format          | G.711 u-law / G.726 selectable<br>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<br>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<br>- Motion images recorded in the SD memory card can be downloaded<br>- 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, Hungary, Greek                                                                                                                                              |
| Web Viewer                        | Supported OS : Windows 7, 8.1, 10, Mac OS X 10.9, 10.10, 10.11<br>Plug-in free Webviewer<br>- Supported Browser : Google Chrome 47, MS Edge 20<br>Plug-in Webviewer<br>- Supported Browser : MS Explore 11, Mozilla Firefox 43, Apple Safari 9 * Mac OS X only                                 |
| Central Management Software       | SmartViewer                                                                                                                                                                                                                                                                                    |
| ENVIRONMENTAL                     |                                                                                                                                                                                                                                                                                                |
| Operating Temperature / Humidity  | -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH<br>* Start up should be done at above -20°C (-4°F)                                                                                                                                                                                           |
| Storage Temperature / Humidity    | -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH                                                                                                                                                                                                                                              |
| Ingress Protection                | IP66                                                                                                                                                                                                                                                                                           |
| Vandal Resistance                 | IK10                                                                                                                                                                                                                                                                                           |
| ELECTRICAL                        |                                                                                                                                                                                                                                                                                                |
| Input Voltage / Current           | PoE (IEEE802.3af, Class3) / 12V DC                                                                                                                                                                                                                                                             |
| Power Consumption                 | Max. 7W (PoE), Max. 6W (12V DC)                                                                                                                                                                                                                                                                |
| MECHANICAL                        |                                                                                                                                                                                                                                                                                                |
| Color / Material                  | Dark gray / Metal                                                                                                                                                                                                                                                                              |
| Dimensions (WxH)                  | Ø70.0 x 246.0mm (Ø2.76" x 9.69") (Without sunshield)                                                                                                                                                                                                                                           |
| Weight                            | 730g (1.61 lb)                                                                                                                                                                                                                                                                                 |

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