

## SNV-6084R

2M Vandal-Resistant Network IR Dome Camera

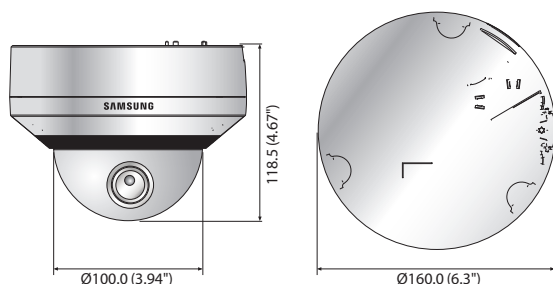


## Key Features

- Max. 2megapixel (1920 x 1080) resolution
- 0.03Lux@F1.2 (Color), 0Lux@F1.2 (B/W : IR LED on)
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- WDR (120dB), Simple focus (Motorized V/F), P-Iris, Defog
- Audio / Face / Motion detection
- SD/SDHC/SDXC memory slot
- Multi-crop streaming, PoE, UPnP
- IR LED (12ea), IP66, IK10, Bi-directional audio support

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



\* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

| SNV-6084RN/P                           |                                                                                                                                                                                                                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VIDEO</b>                           |                                                                                                                                                                                                                                                                                                              |
| Imaging Device                         | 1/2.8" 2.38M CMOS (IMX136)                                                                                                                                                                                                                                                                                   |
| Total Pixels                           | 1,952(H) x 1,116(V)                                                                                                                                                                                                                                                                                          |
| Effective Pixels                       | 1,944(H) x 1,104(V)                                                                                                                                                                                                                                                                                          |
| Scanning System                        | Progressive                                                                                                                                                                                                                                                                                                  |
| Min. Illumination                      | Color : 0.1Lux (1/30sec, F1.2, 50IRE), 0.0017Lux (2sec, F1.2, 50IRE), 0.03Lux (F1.2, 30IRE)<br>B/W : 0Lux (F1.2, 50IRE, IR LED on), 0Lux (F1.2, 30IRE, IR LED on)                                                                                                                                            |
| S / N Ratio                            | 50dB                                                                                                                                                                                                                                                                                                         |
| Video Output                           | CVBS : 1.0Vpp / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation<br>DIP connector type                                                                                                                                                                                                            |
| <b>LENS</b>                            |                                                                                                                                                                                                                                                                                                              |
| Focal Length (Zoom Ratio)              | 3 ~ 8.5mm (2.8x) motorized varifocal                                                                                                                                                                                                                                                                         |
| Max. Aperture Ratio                    | F1.2                                                                                                                                                                                                                                                                                                         |
| Angular Field of View                  | H : 105.5°(Wide) ~ 37.1°(Tele) / V : 57.5°(Wide) ~ 21.0°(Tele)                                                                                                                                                                                                                                               |
| Min. Object Distance                   | 0.5m (1.64ft)                                                                                                                                                                                                                                                                                                |
| Focus Control                          | Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)                                                                                                                                                                                                                     |
| Lens / Mount Type                      | DC auto iris, P-Iris / Board-in type                                                                                                                                                                                                                                                                         |
| <b>PAN / TILT / ROTATE</b>             |                                                                                                                                                                                                                                                                                                              |
| Pan / Tilt / Rotate Range              | 0° ~ 354° / 0° ~ 67° / 0° ~ 355°                                                                                                                                                                                                                                                                             |
| <b>OPERATIONAL</b>                     |                                                                                                                                                                                                                                                                                                              |
| IR LED                                 | 12ea                                                                                                                                                                                                                                                                                                         |
| Viewable Length                        | 15m (49.21ft)                                                                                                                                                                                                                                                                                                |
| Camera Title                           | Off / On (Displayed up to 45 characters)                                                                                                                                                                                                                                                                     |
| Day & Night                            | Auto (ICR) / Color / B/W / External / Schedule                                                                                                                                                                                                                                                               |
| Backlight Compensation                 | Off / BLC                                                                                                                                                                                                                                                                                                    |
| Wide Dynamic Range                     | 120dB                                                                                                                                                                                                                                                                                                        |
| Contrast Enhancement                   | SSDR (Off / On)                                                                                                                                                                                                                                                                                              |
| Digital Noise Reduction                | SSNR III (2D+3D noise filter) (Off / On)                                                                                                                                                                                                                                                                     |
| Digital Image Stabilization            | Off / On                                                                                                                                                                                                                                                                                                     |
| Defog                                  | Off / Auto / Manual                                                                                                                                                                                                                                                                                          |
| Motion Detection                       | Off / On (4ea 4 points polygonal zones)                                                                                                                                                                                                                                                                      |
| Privacy Masking                        | Off / On (32 zones with 4 points of polygonal)                                                                                                                                                                                                                                                               |
| Gain Control                           | Off / Low / Middle / High                                                                                                                                                                                                                                                                                    |
| White Balance                          | ATW / AWC / Manual / Indoor / Outdoor                                                                                                                                                                                                                                                                        |
| Electronic Shutter Speed               | Minimum / Maximum / Anti flicker                                                                                                                                                                                                                                                                             |
| Flip / Mirror                          | Off / On                                                                                                                                                                                                                                                                                                     |
| Intelligent Video Analytics            | Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection                                                                                                                                                                                                                          |
| Alarm I/O                              | Input 1ea / Output 1ea                                                                                                                                                                                                                                                                                       |
| Alarm Triggers                         | Motion detection, Tampering, Audio detection, Face detection, Video analytics, Network disconnection, Alarm input                                                                                                                                                                                            |
| Alarm Events                           | File upload via FTP and E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at Event (Alarm triggers), External output                                                                                                                                                            |
| <b>NETWORK</b>                         |                                                                                                                                                                                                                                                                                                              |
| Ethernet                               | RJ-45 (10/100BASE-T)                                                                                                                                                                                                                                                                                         |
| Video Compression Format               | H.264 (MPEG-4 part 10/AVC), MJPEG                                                                                                                                                                                                                                                                            |
| Resolution                             | 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180                                                                                                                                                                               |
| Max. Framerate                         | H.264 : Max. 60fps at all resolutions<br>MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps<br>800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max. 30fps                                                                                                  |
| Video Quality Adjustment               | H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control                                                                                                                                                                                                                       |
| Bitrate Control Method                 | H.264 : CBR or VBR, MJPEG : VBR                                                                                                                                                                                                                                                                              |
| Streaming Capability                   | Multiple streaming (Up to 10 profiles)                                                                                                                                                                                                                                                                       |
| Audio In                               | Selectable (Mic in / Line in), Max output level : 1 Vrms<br>Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm                                                                                                                                                                                 |
| Audio Out                              | Line out (3.5mm stereo mini jack)                                                                                                                                                                                                                                                                            |
| Audio Compression Format               | G.711 u-law/G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz<br>G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps                                                                                                                                                                                                       |
| Audio Communication                    | Bi-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                       | 15 users at unicast mode                                                                                                                                                                                                                                                                                     |
| Edge Storage                           | SD/SDHC/SDXC - Motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded. NAS (Network Attached Storage)                                                                                                                                                                                      |
| Application Programming Interface      | ONVIF profile S/G, HTTP API (SUNAPI) 2.0, SVP 1.2                                                                                                                                                                                                                                                            |
| Webpage Language                       | English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish                                                                                                 |
| Web Viewer                             | Supported OS : Windows XP / VISTA / 7 / 8 / 8.1, MAC OS X 10.7<br>Supported Browser : Microsoft Internet Explorer (Ver. 11 ~ 8)<br>Mozilla Firefox (Ver. 19 ~ 9) * Windows only<br>Google Chrome (Ver. 25 ~ 15) * Windows only<br>Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only |
| <b>Central Management Software</b>     |                                                                                                                                                                                                                                                                                                              |
| <b>ENVIRONMENTAL</b>                   |                                                                                                                                                                                                                                                                                                              |
| Operating Temperature / Humidity       | 24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH<br>12V DC, PoE : -20°C ~ +55°C (-4°F ~ +131°F) / Less than 90% RH<br>* Start up should be done at above -10°C (+14°F)                                                                                                                             |
| Storage Temperature / Humidity         | -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH                                                                                                                                                                                                                                                            |
| Ingress Protection / Vandal Resistance | IP66 / IK10                                                                                                                                                                                                                                                                                                  |
| <b>ELECTRICAL</b>                      |                                                                                                                                                                                                                                                                                                              |
| Input Voltage / Current                | 12V DC ±10%, 24V AC ±10%, PoE (IEEE802.3af)                                                                                                                                                                                                                                                                  |
| Power Consumption                      | Max. 9.5W (Heater off), Max. 13.5W (24V AC - Heater on)                                                                                                                                                                                                                                                      |
| <b>MECHANICAL</b>                      |                                                                                                                                                                                                                                                                                                              |
| Color / Material                       | Ivory / Aluminum                                                                                                                                                                                                                                                                                             |
| Dimensions (WxH)                       | Ø160.0 x 118.5mm (Ø6.3" x 4.67")                                                                                                                                                                                                                                                                             |
| Weight                                 | 960g (2.12 lb)                                                                                                                                                                                                                                                                                               |

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