

# WiseNet III SNV-6085R

2Megapixel Full HD Vandal-Resistant  
Network IR Dome Camera

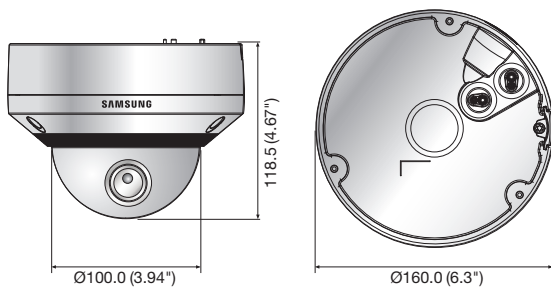


## Key Features

- Max. 2M (1920 x 1080) resolution
- 0.09Lux@F1.6 (Color), 0Lux@F1.6 (B/W : IR LED on)
- 10 ~ 23mm (2.3x) motorized varifocal lens
- H.264, MJPEG dual codec, Multiple streaming
- WDR (120dB), Simple focus (Motorized V/F), P-Iris, Defog
- Audio / Face / Motion detection
- micro SD/SDHC/SDXC memory slot
- Multi-crop streaming, PoE
- 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-6085RN/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 : 0.25Lux (F1.6, 50IRE), 0.09Lux (F1.6, 30IRE)<br>B/W : 0Lux (F1.6, 50IRE, IR LED on), 0Lux (F1.6, 30IRE, IR LED on)  |
| S / N Ratio                            | 50dB  |
| Video Output                           | CVBS : 1.0 Vpp / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation<br>DIP connector type  |
| <b>LENS</b>                            |   |
| Focal Length (Zoom Ratio)              | 10 ~ 23mm (2.3x) motorized varifocal  |
| Max. Aperture Ratio                    | F1.6  |
| Angular Field of View                  | H : 31.3°(Wide) ~ 13.9°(Tele) / V : 17.1°(Wide) ~ 7.8°(Tele)  |
| Min. Object Distance                   | 0.8m (2.62ft)   |
| Focus Control                          | Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)  |
| Lens / Mount Type                      | P-Iris / Board-in type  |
| <b>PAN / TILT / ROTATE</b>             |   |
| Pan / Tilt / Rotate Range              | 0° ~ 354° / 0° ~ 67° / 0° ~ 355°  |
| <b>OPTIONAL</b>                        |   |
| IR LED                                 | 14ea  |
| Viewable Length                        | 20m (65.62ft)   |
| 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 (Samsung Super Dynamic Range) (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,<br>Video analytics, Network disconnection, Alarm input  |
| Alarm Events                           | File upload via FTP and E-mail, Notification via E-mail,<br>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,<br>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   |
| Smart Codec                            | Manual mode (Area-based : 5ea), Face detection mode   |
| 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, DHCP, PPPoE, FTP,<br>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                           | micro SD/SDHC/SDXC Max. 64G, NAS - Motion images recorded in the SD/SDHC/SDXC<br>memory card can be downloaded. Manual recording at local PC  |
| Application Programming Interface      | ONVIF profile S & G, HTTP API (SUNAPI)  |
| Webpage Language                       | English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese,<br>Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch,<br>Croatian, Hungarian, Greek, Norwegian, Finnish  |
| Web Viewer                             | Supported OS : Windows XP / VISTA / 7 / 8 / 8.1, MAC OS X 10.7 ~ 10.10<br>Supported Browser : Microsoft Internet Explorer (Ver. 8 ~ 11)<br>Mozilla Firefox (Ver. 9 ~ 35), Google Chrome (Ver. 15 ~ 44)<br>Apple Safari (Ver. 8.0.2 (Mac OS X 10.10), 7.0.6 (Mac OS X 10.9),<br>6.0.2 (Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only |
| Central Management Software            | SmartViewer   |
| <b>ENVIRONMENTAL</b>                   |   |
| Operating Temperature / Humidity       | -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH<br>* Start up should be done at above -35°C (-31°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. 11W (Heater off), Max. 12.95W (Heater on)  |
| <b>MECHANICAL</b>                      |   |
| Color / Material                       | Ivory / Aluminum  |
| Dimensions (WxH)                       | Ø160.0 x 118.5mm (Ø6.3" x 4.67")  |
| Weight                                 | 970g (2.14 lb)  |