

# SND-5084/5083

1.3Megapixel HD Network Dome Camera



SND-5084

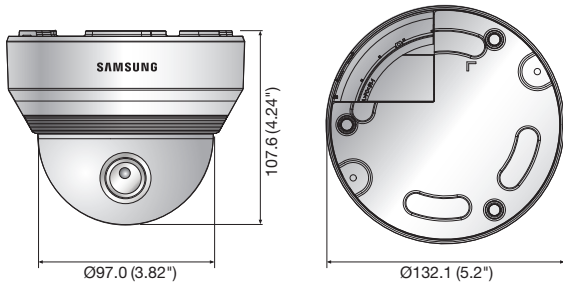
SND-5083

## Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens : SND-5084  
2.8 ~ 10mm (3.6x) varifocal lens : SND-5083
- H.264, MJPEG dual codec, Multiple streaming
- Day & Night (ICR), WDR (130dB)
- Simple focus, Enhanced DIS, Defog
- Multi-crop streaming
- SD/SDHC/SDXC memory slot
- PoE, IK8 (SND-5084), 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).

|                                   | SND-5084N/P  | SND-5083N/P  |
|-----------------------------------|--|--|
| <b>VIDEO</b>                      |  |  |
| Imaging Device                    | 1/3" 1.3M CMOS   |  |
| Total / Effective Pixels          | 1,312(H) x 1,069(V) / 1,305(H) x 1,049(V)  |  |
| Scanning System                   | Progressive  |  |
| Min. Illumination                 | Color : 0.05Lux (1/30sec, F1.2, 50IRE),<br>0.0008Lux (2sec, F1.2, 50IRE)<br>0.008Lux (1/30sec, F1.2, 30IRE)<br>B/W : 0.005Lux (1/30sec, F1.2, 50IRE)<br>0.002Lux (1/30sec, F1.2, 30IRE)  | Color : 0.05Lux (1/30sec, F1.2, 50IRE),<br>0.0008Lux (2sec, F1.2, 50IRE)<br>0.008Lux (1/30sec, F1.2, 30IRE)<br>B/W : 0.05Lux (1/30sec, F1.2, 50IRE)<br>0.008Lux (1/30sec, F1.2, 30IRE) |
| S / N Ratio                       | 50dB   |  |
| Video Output                      | CVBS : 1.0Vpp / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation, DIP connector type  |  |
| <b>LENS</b>                       |  |  |
| Focal Length (Zoom Ratio)         | 3 ~ 8.5mm (2.8x) motorized varifocal   | 2.8 ~ 10mm (3.6x) varifocal  |
| Max. Aperture Ratio               | F1.2   |  |
| Angular Field of View             | H : 93.3°(Wide) ~ 33.2°(Tele) /<br>V : 73.7°(Wide) ~ 26.6°(Tele)   | H : 94.6°(Wide) ~ 28.8°(Tele) /<br>V : 68.4°(Wide) ~ 21.6°(Tele)   |
| Min. Object Distance              | 0.5m (1.64ft)  |  |
| Focus Control                     | Simple focus (Motorized V/F) / Manual<br>Remote control via network,<br>Button control (Manual, Simple focus)  | Manual   |
| Lens / Mount Type                 | DC auto iris / Board-in type   |  |
| <b>PAN / TILT / ROTATE</b>        |  |  |
| Pan / Tilt / Rotate Range         | 0° ~ 354° / 0° ~ 67° / 0° ~ 355°   |  |
| <b>OPERATIONAL</b>                |  |  |
| Camera Title                      | Off / On (Displayed up to 40 characters)   |  |
| Day & Night                       | Auto (ICR) / Color / B/W / External / Schedule   |  |
| Backlight Compensation            | Off / BLC  |  |
| Wide Dynamic Range                | 130dB  |  |
| Contrast Enhancement              | SSDR (Samsung Super Dynamic Range) (Off / On)  |  |
| CAR (Color Aberration Reduction)  | Off / Low / Middle / High  |  |
| 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 (2 ~ 1/12,000sec)   |  |
| 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 detecton,<br>Video analytics, Alarm input, Network disconnection  |  |
| 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                        | 1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240   |  |
| Max. Framerate                    | H.264 : Max. 60fps at all resolutions, MJPEG : Max. 30fps at all resolutions   |  |
| 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, 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<br>Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded   |  |
| Application Programming Interface | ONVIF profile S, 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 |  |
| Central Management Software       | SmartViewer, SSM   |  |
| <b>ENVIRONMENTAL</b>              |  |  |
| 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  |  |
| <b>ELECTRICAL</b>                 |  |  |
| Input Voltage / Current           | 12V DC, PoE (IEEE802.3af class3)   |  |
| Power Consumption                 | Max. 9.0W (12V DC), Max. 11.0W (PoE, Class3)   |  |
| <b>MECHANICAL</b>                 |  |  |
| Color / Material                  | Ivory / Plastic  | Ivory / Plastic  |
| Dimensions (WxH)                  | Ø132.1 x 107.6mm (Ø5.2" x 4.24")   |  |
| Weight                            | 525g (1.16 lb)   | 500g (1.1 lb)  |

\* The latest product information / specification can be found at [www.samsungsecurity.com](http://www.samsungsecurity.com)