

# SNB-8000



5Megapixel Network Camera



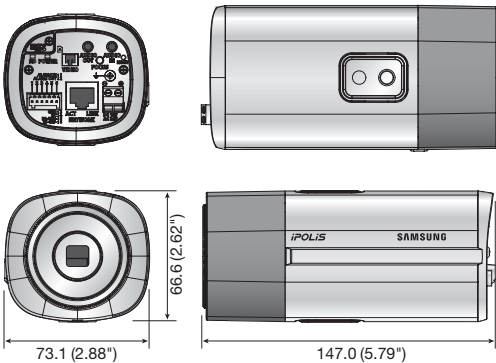
\* Lens not included

## Key Features

- Max. 5M (2592 x 1944) high resolution
- 20fps@5MP, P-iris, Simple focus
- WDR (60dB)
- Up to 32 privacy masking zones
- Tampering, Audio detection
- micro SD/SDHC/SDXC memory slot
- Bi-directional audio support, Built-in mic.

## Dimensions

Unit : mm (inch)



## Available Lenses / Accessories (Optional)



|                                   | SNB-8000N/P  |
|-----------------------------------|--|
| <b>VIDEO</b>                      |  |
| Imaging Device                    | 1/1.8" 6M CMOS   |
| Total Pixels                      | 6megapixel (3,096 x 2,094)   |
| Effective Pixels                  | 2,592(H) x 1,944(V)  |
| Scanning System                   | Progressive  |
| Min. Illumination                 | Color : 0.2Lux (1/20sec, F1.2, 50IRE), 0.005Lux (2sec, F1.2, 50IRE)<br>0.1Lux (1/20sec, F1.2, 30IRE), 0.0025Lux (2sec, F1.2, 30IRE)<br>B/W : 0.02Lux (1/20sec, F1.2, 50IRE), 0.0005Lux (2sec, F1.2, 50IRE)<br>0.01Lux (1/20sec, F1.2, 30IRE), 0.00025Lux (2sec, F1.2, 30IRE)   |
| 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>                       |  |
| Focus Control                     | Simple focus / Manual, Remote control via network, Button control (Manual, Simple focus)   |
| Lens Type                         | Manual / DC auto iris, P-Iris  |
| Mount Type                        | C / CS   |
| <b>OPERATIONAL</b>                |  |
| Camera Title                      | Off / On (Displayed up to 15 characters)   |
| Day & Night                       | Auto (ICR) / Color / B/W / External / Schedule   |
| Backlight Compensation            | Off / BLC  |
| Wide Dynamic Range                | 60dB   |
| Contrast Enhancement              | SSDR (Samsung Super Dynamic Range) (Off / On)  |
| Digital Noise Reduction           | SSNR III (2D+3D noise filter) (Off / On)   |
| Motion Detection                  | Off / On (4ea, Rectangular zones)  |
| Privacy Masking                   | Off / On (32ea, Rectangular zones)   |
| Gain Control                      | Off / Low / Middle / High  |
| White Balance                     | ATW / AWC / Manual / Indoor / Outdoor (Include mercury)  |
| Electronic Shutter Speed          | Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)   |
| Digital PTZ                       | 16x, Digital PTZ (Preset, Group)   |
| Flip / Mirror                     | Off / On   |
| Intelligent Video Analytics       | Tampering, Audio detection   |
| Alarm I/O                         | Input 1ea / Output 1ea   |
| Remote Control Interface          | RS-485   |
| RS-485 Protocol                   | Samsung-T/E, Pelco-P/D, Sungjin, Panasonic, Honeywell, AD, Vicon, GE, Bosch  |
| Alarm Triggers                    | Motion detection, Tampering, Audio detection, Alarm input, Network disconnection<br>File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP  |
| Alarm Events                      | Local storage (SD/SDHC/SDXC) or NAS recording at Network disconnected & 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                        | 5M mode : 2592 x 1944, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 720 x 576, 720 x 480, 640 x 480, 320 x 240<br>2M mode : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 720 x 576, 720 x 480, 640 x 480, 320 x 240   |
| Max. Framerate                    | 5M mode - H.264 : 20fps for all resolution<br>MJPEG : 2592 x 1944 : 10fps<br>1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : 15fps<br>800 x 600, 720 x 576, 720 x 480, 640 x 480, 320 x 240 : 20fps<br>2M mode - H.264 : 30fps for all resolution<br>MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : 15fps<br>800 x 600, 720 x 576, 720 x 480, 640 x 480, 320 x 240 : 20fps |
| 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 6 profiles)  |
| Audio In                          | Selectable (Mic in / Line in) (Built-in mic)<br>Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm   |
| Audio Out                         | Line out (3.5mm stereo mini jack), Max output level : 1Vrms  |
| 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, IGMP, 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                  | 10 users at unicast mode   |
| Edge Storage                      | micro SD/SDHC/SDXC (64GB) - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded, NAS (Network Attached Storage)   |
| Application Programming Interface | ONVIF profile S, SUNAPI (HTTP API), SVNP 2.0, Samsung camera application platform  |
| 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, MAC OS X 10.7<br>Supported Browser : Microsoft Internet Explorer (Ver. 8 ~ 11),<br>Mozilla Firefox (Ver. 9 ~ 19), Google Chrome (Ver. 15 ~ 25),<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           | 24V AC±10%, 12V DC±10%, PoE (IEEE802.3af class3)   |
| Power Consumption                 | Max. 12.65W (24V AC, 50/60Hz), Max. 10.68W (12V DC), Max. 12.14W (PoE, Class3)   |
| <b>MECHANICAL</b>                 |  |
| Color / Material                  | Black, Ivory / Aluminium   |
| Dimensions (WxHxD)                | 73.1 x 66.6 x 147.0mm (2.88" x 2.62" x 5.79")  |
| Weight                            | 566g (1.25 lb)   |

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