

# SNB-7000

3 Megapixel Full HD Network Camera



\* Lens not included

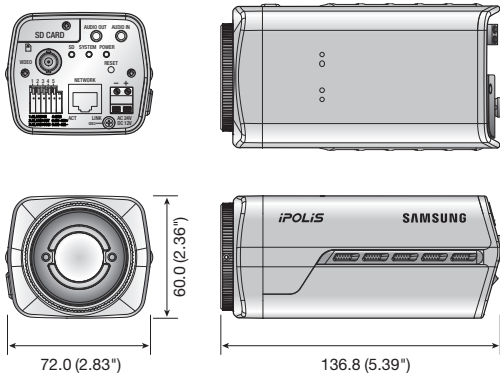


## Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Intelligent video analytics
- PoE, SD memory, Bi-directional audio support

## Dimensions

Unit : mm (inch)



## Available Lenses / Accessories (Optional)



## Technical Specifications

|                                  | SNB-7000N/P  |
|----------------------------------|--|
| <b>VIDEO</b>                     |  |
| Imaging Device                   | 1/2.8" 3M PS CMOS  |
| Total Pixels                     | 2,144(H) x 1,588(V)  |
| Effective Pixels                 | 2,096(H) x 1,561(V)  |
| Scanning System                  | Progressive  |
| Min. Illumination                | Color : 1Lux (F1.2, 50IRE), 0.017Lux (Sens-up 60x)<br>B/W : 0.08Lux (F1.2, 50IRE), 0.001Lux (Sens-up 60x)  |
| S / N Ratio                      | 50dB   |
| Video Output                     | CVBS : 1.0Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation   |
| <b>LENS</b>                      |  |
| Lens Type                        | Manual / DC auto 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 B/W  |
| Backlight Compensation           | Off / BLC / HLC / WDR  |
| Wide Dynamic Range               | Off / On (Full HD WDR)   |
| Contrast Enhancement             | SSDR (Samsung Super Dynamic Range) (Off / On)  |
| Digital Noise Reduction          | SSNR III (2D+3D noise filter) (Off / On)   |
| Motion Detection                 | Off / On (4 programmable zones)  |
| Privacy Masking                  | Off / On (1ea 4 point polygonal + 16ea rectangular zones)  |
| Sens-up (Frame Integration)      | Off / Auto (2x ~ 60x)  |
| Gain Control                     | Off / Low / Medium / High  |
| White Balance                    | ATW / AWC / Manual / Indoor / Outdoor  |
| Electronic Shutter Speed         | Auto / A.FLK / Manual (1/30 ~ 30,000sec)   |
| Flip / Mirror                    | Off / On   |
| Intelligent Video Analytics      | Scene change, Virtual line, Enter / Exit, Appear / Disappear   |
| Alarm I/O                        | Input 1ea / Output 1ea (Relay)   |
| Remote Control Interface         | RS-485   |
| RS-485 Protocol                  | Samsung-T/E, Pelco-P/D, Sunjijn  |
| <b>NETWORK</b>                   |  |
| Ethernet                         | RJ-45 (10/100BASE-T)   |
| Video Compression Format         | H.264, MJPEG   |
| Resolution                       | 3M mode - 2048 x 1536, 1920 x 1080P (Full HD), 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180<br>2M mode - 1920 x 1080P (Full HD), 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 |
| Max. Framerate                   | 3M mode - H.264 : Max. 20fps at all resolutions<br>MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1280 x 1024 ~ 1920 x 1080 - 15fps<br>2048 x 1536 - 10fps<br>2M mode - H.264 : Max. 30fps at all resolutions (When WDR on, Max. framerate is Max. 15fps)<br>MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1280 x 1024 ~ 1920 x 1080 - 15fps                    |
| Smart Codec                      | Yes (Area based method, Face detection method)   |
| Video Quality Adjustment         | H.264 : Compression level, Target bitrate level control<br>MJPEG : Quality level control   |
| Bitrate Control Method           | H.264 : CBR or VBR, MJPEG : VBR  |
| Streaming Capability             | Multiple streaming (Up to 6 profiles)  |
| Audio I/O                        | Mic / Line in, Line out  |
| Audio Compression Format         | G.711 u-law  |
| Audio Communication              | Bi-directional audio   |
| IP                               | IPv4, IPv6   |
| Protocol                         | TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE<br>FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS   |
| 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   |
| Memory Slot                      | SD/SDHC memory slot  |
| ONVIF Conformance                | Yes  |
| Webpage Language                 | English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek   |
| Web Viewer                       | Supported OS : Windows XP / VISTA / 7, MAC OS<br>Supported Browser : Internet Explorer 7.0/8.0, Firefox, Google Chrome, Apple Safari   |
| Central Management Software      | NET-i viewer   |
| <b>ENVIRONMENTAL</b>             |  |
| Operating Temperature / Humidity | -10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH  |
| <b>ELECTRICAL</b>                |  |
| Input Voltage / Current          | 12V DC, 24V AC, PoE (IEEE802.3af)  |
| Power Consumption                | Max. 6W (12V DC), Max. 7W (24V AC, PoE)  |
| <b>MECHANICAL</b>                |  |
| Color / Material                 | Dark gray / Metal  |
| Dimensions (WxHxD)               | 72.0 x 60.0 x 136.8mm (2.83" x 2.36" x 5.39")  |
| Weight                           | 440g (0.97 lb)   |

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