

# Progressive Technology Enhanced Cameras



## 3 Megapixel Full HD Network Camera

# SNB-7002

The SNB-7002 is designed for advanced surveillance solutions incorporating Full 3 megapixel HD resolution. Progressive technologies incorporated into SNB-7002 include advanced WDR(Wide Dynamic Range) to provide superior images in high contrast scenes, Simple Focus to improve image quality when switching between color and B/W modes. SDR(Samsung Super Dynamic Range) to enhance color reproduction and resolution and reduce signal noise. Additional functions include: face detection -prioritizing faces in an image, audio detection -alerting the system to events beyond the camera's field of view, ROI (Region of Interest)-spotlighting the critical areas in the camera's field of view, and True Day/Night for superior images in the dark.

- Max 3M (2048 x 1536), 16 : 9 Full HD (1080p) resolution
- H.264 & MJPEG dual codec
- Simple Focus
- Advanced WDR (96dB) / 30fps@2MP WDR
- Face Detection, Audio Detection
- UPnP (Auto Port Forwarding)

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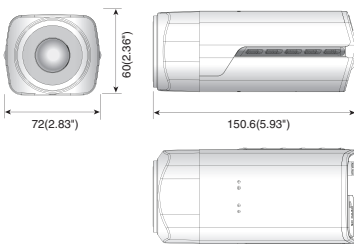
## Specifications

SNB-7002N/P

<b>VIDEO</b>	
Imaging Device	1/3" 3.1M PS CMOS
Total Pixels	2,064 (H) x 1,578 (V)
Effective Pixels	2,052 (H) x 1,536 (V)
Scanning System	Progressive
Min. Illumination	Color : 0.7 Lux (F1.2, 50IRE), 0.011 Lux (Sens up 60X) B/W : 0.07 Lux (F1.2, 50IRE), 0.001 Lux (Sens up 60X)
S / N Ratio	50dB
Video Out	CVBS : 1.0 Vp-p / 75Ω composite (DIP Connector type), 704 x 480(N), 704 x 576(P), for installation
<b>LENS</b>	
Focus Control	Manual, Simple focus, Day&Night
Lens Type	Manual / DC Auto Iris
Mount Type	C/Cs
<b>OPERATIONAL</b>	
Camera Title (OSD)	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC / HLC
Wide Dynamic Range	Off / On (96dB) 3M Mode : 20fps, 2M Mode : 30fps
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 Rectangular zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Auto Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Audio Detection, Face Detection, Tampering, Virtual Line, Enter / Exit, Appear / Disappear
Alarm I/O	Digital 1/1
Alarm Triggers	Motion detection, Video Analytics, Sensor Input
Alarm events	File upload via FTP, E-Mail / Notification via E-Mail, TCP / Local storage (SD/SDHC) recording at network disconnected, External output
<b>NETWORK</b>	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 Part 10/AVC), MJPEG
Resolution	3M Mode - 2048 x 1536 / 1920 x 1080 / 1600 x 1200 / 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 2M Mode - 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	3M Mode - H.264 : Max 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20 fps / 1024 x 768 ~ 1920 x 1080 - 15 fps / 2048x1536 - 10 fps 2M Mode - H.264 : Max 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30 fps / 1024 x 768 ~ 1920 x 1080 : 15 fps
Smart Codec	Yes (Area based method)
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 I/O	Mic/Line in , Line out, Built-in mic.
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS, UPnP
Security	HTTPS (SSL) login authentication, Digest login authentication, 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 X 10.7 or higher Supported Browser : Internet explorer 7.0 or higher, Firefox 9.0 or higher, Chrome 15.0 or higher, Safari 5.1 or higher
Central Management Software	NET-I viewer
<b>ENVIRONMENTAL</b>	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / 20% ~ 80% RH
<b>ELECTRICAL</b>	
Input Voltage / Current	DC 12V, PoE (IEEE802.3af)
Power Consumption	Max. 9.0W (DC 12V, PoE (class3))
<b>MECHANICAL</b>	
Color / Material	Body : Dark Gray / Aluminum
Dimension (WxHxD)	72.0 x 60.0 x 150.5 mm (2.83" x 2.36" x 5.93") excluding projections
Weight	468g (1.03lb)

## Dimensions

Unit : mm (inch)



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.

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