

# Full HD in CCTV

## 3 Megapixel Network Camera



3Megapixel Full HD Network Box Camera

# SNB-7000

The SNB-7000 is an ONVIF compliant 3 Megapixel box camera that incorporates Samsung's WiseNet2 DSP chipset. This camera is capable of displaying multiple resolutions from CIF (320 x 240) through to 16:9 format 1080p full HD and up to 3 megapixel (2048 x 1536). The SNB-7000 Series cameras feature Smart Compression where a predefined Region of Interest (ROI) or faces (Face detection) are compressed differently than the rest of the image making them clearer while maximizing bandwidth and storage efficiency.

- Max. 3M (2048 x 1536) resolution
- 16:9 Full HD (1080p) resolution support
- H.264 / MJPEG multiple codecs
- WDR (supported in 2M mode only)
- Smart Compression (ROI encoding)
- True Day/Night (ICR)



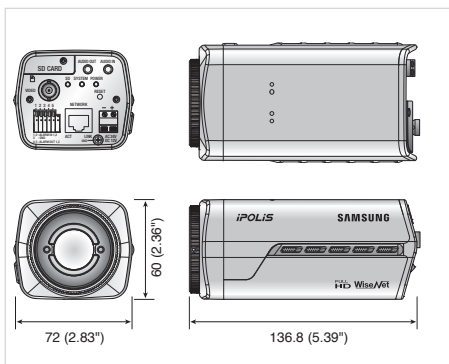
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## Dimensions

Unit : mm (inch)



## Available Lenses / Accessories (optional):



## Specifications

SNB-7000N/P



VIDEO	
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 (TBD)	Color : 1Lux (F1.2, 50IRE), 0.017Lux (Sens-up 60x) B/W : 0.08Lux (F1.2, 50IRE), 0.001Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Lens Type	Manual / DC auto iris
Mount Type	C / CS
OPERATIONAL	
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	(*2M mode only), 52dB
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
Alarm I/O	Input 1ea / Output 1ea (Relay)
Remote Control Interface	RS-485
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sunjgin
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	3M mode - H.264 : Max. 20fps at all resolutions
	MJPEG : 800 x 600 ~ 320 x 180 - 20fps
	1280 x 1024 ~ 1600 x 1200 - 15fps
	1920 x 1080 ~ 2048 x 1536 - 10fps
2M mode - H.264 : Max. 30fps at all resolutions (When WDR on, Max. framerate is Max. 15fps.)	MJPEG : 800 x 600 ~ 320 x 180 - 30fps
	1280 x 1024 ~ 1920 x 1080 : 15fps
	Max. Framerate
Smart Codec	Yes (Area based method, Face detection 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
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 FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, ONVIF
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 Supported Browser : Internet Explorer 7.0 or Higher, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH
ELECTRICAL	
Input Voltage	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 7W
MECHANICAL	
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)



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