

# SNV-8080



## 5Megapixel Vandal-Resistant Network Dome Camera

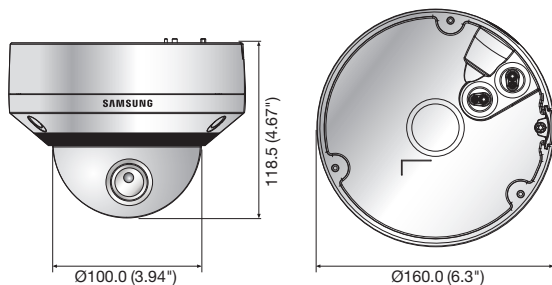


### Key Features

- Max. 5M (2592 x 1944) high resolution
- 20fps@5MP, Simple focus
- 3.6 ~ 9.4mm (2.6x) motorized varifocal lens
- WDR (60dB)
- Up to 32 privacy masking zones
- Tampering, Audio detection
- micro SD/SDHC/SDXC memory slot
- Bi-directional audio support, IP66, IK10, Heater by PoE

### Dimensions

Unit : mm (inch)



### Accessories (Optional)



SNV-8080N/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) 0.1Lux (1/20sec, F1.2, 30IRE), 0.0025Lux (2sec, F1.2, 30IRE) B/W : 0.02Lux (1/20sec, F1.2, 50IRE), 0.0005Lux (2sec, F1.2, 50IRE) 0.01Lux (1/20sec, F1.2, 30IRE), 0.00025Lux (2sec, F1.2, 30IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0Vpp / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation DIP connector type
<b>LENS</b>	
Focal Length (Zoom Ratio)	3.6 ~ 9.4mm (2.6x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 104.0°(Wide) ~ 39.2°(Tele) / V : 75.2°(Wide) ~ 29.3°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus / Manual, Remote control via network (Manual, Simple focus)
Lens Type / 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 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
Alarm Triggers	Motion detection, Tampering, Audio detection, Alarm input, Network disconnection 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 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 5M mode - H.264 : 20fps for all resolution MJPEG : 2592 x 1944 : 10fps 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : 15fps 800 x 600, 720 x 576, 720 x 480, 640 x 480, 320 x 240 : 20fps 2M mode - H.264 : 30fps for all resolution MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : 15fps 800 x 600, 720 x 576, 720 x 480, 640 x 480, 320 x 240 : 20fps
Max. Framerate	H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control
Video Quality Adjustment	H.264 : CBR or VBR, MJPEG : VBR
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) 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 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 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), SVN2.0, 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
Supported OS	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7
Supported Browser	Supported Browser : Microsoft Internet Explorer (Ver. 8 ~ 11), Mozilla Firefox (Ver. 9 ~ 19), Google Chrome (Ver. 15 ~ 25), Apple Safari (Ver. 6.0.2 (Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Web Viewer	SmartViewer, SSM
<b>CENTRAL MANAGEMENT SOFTWARE</b>	
Operating Temperature / Humidity	-40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH *Start up should be done at above -35°C (-31°F)
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection / Vandal Resistance	IP66 / IK10
<b>ELECTRICAL</b>	
Input Voltage / Current	24V AC±10%, 12V DC±10%, PoE (IEEE802.3af class3)
Power Consumption	Max. 14.2W (24V AC, 50/60Hz), Max. 11.5W (12V DC), Max. 12.95W (PoE, Class3)
<b>MECHANICAL</b>	
Color / Material	Ivory / Aluminum
Dimensions (WxHxD)	Ø160.0 x 118.5mm (Ø6.3" x 4.67")
Weight	980g (2.16 lb)

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