

# Full HD in tough environments

## 3 Megapixel Network Camera



3Megapixel Full HD Network Vandal-Resistant IR Dome Camera

# SNV-7080R

The SNV-7080R is a newly released ONVIF compliant vandal-resistant dome camera from Samsung's 3 Megapixel camera range. It utilizes Samsung's WiseNet2 DSP chipset which has been specifically designed to provide users with maximum benefit from the latest megapixel camera technology. The IP66 rated SNV-7080R can work effectively in more demanding environments that are prone to severe or varying weather conditions as well as tampering or physical attack. In addition, thanks to its built-in 15 IR LEDs, the SNV-7080R has the ability to capture clear images of objects which are up to 25m from the camera, even when the area is in total darkness. Capable of displaying multiple resolutions from CIF (320 x 240) through to 16:9 format 1080p full HD and up to full 3 megapixel (2048 x 1536), these resolutions have the ability to be transmitted simultaneously, allowing the most relevant stream to be transmitted to your viewing or recording device.



- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) display support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- Built-in IR LED (15ea), viewable length of 25m
- H.264 / MJPEG dual codec and multiple streaming
- Full HD WDR
- Smart Compression (ROI encoding)
- IP66 Grade (Waterproof)

# 3Megapixel Full HD Network Vandal-Resistant IR Dome Camera

## SNV-7080R



### Specifications

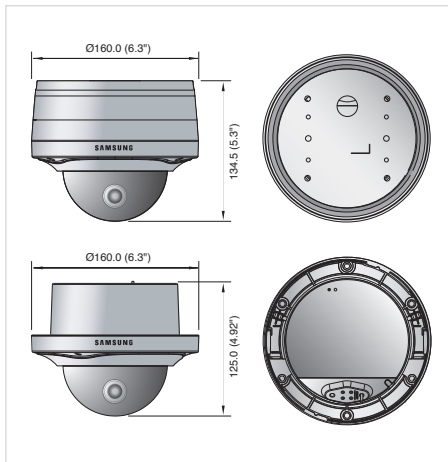


SNV-7080RN/P

<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), B/W : 0Lux (F1.2, 50IRE, IR LED On)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704x480(N), 704x576(P), for installation
<b>LENS</b>	
Focal Length (Zoom Ratio)	3~8.5mm (2.8x) Motorized Vari-focal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100°(Wide) ~ 35.3°(Tele), V : 74.6°(Wide) ~ 26°(Tele)
Focus Control	Remote control via network (Manual, One-shot AF)
Lens Type	DC Auto Iris
Mount Type	Board-in type
<b>PAN / TILT / ROTATE</b>	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
<b>OPERATIONAL</b>	
IR LED	15 ea
Viewable Length	25m
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / BLC / HLC
Wide Dynamic Range	Off / On (Full HD WDR)
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (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
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene Change, Virtual Line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
<b>NETWORK</b>	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, M-JPEG <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 <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 <3M Mode> * H.264 : Max 20fps at all resolutions * MJPEG : 800 x 600 ~ 320 x 180 - 20 fps, 1280 x 1024 ~ 1920 x 1080 - 15 fps, 2048 x 1536 - 10 fps <2M Mode> * H.264 : Max 30fps at all resolutions (When WDR ON, Max. framerate is Max 15fps.) * MJPEG : 800 x 600 ~ 320 x 180 - 30 fps, 1280 x 1024 ~ 1920 x 1080 : 15 fps
Resolution	
Max. Framerate	
Smart Codec	Yes (Area Based Method, Face Detection Method)
Video Quality Adjustment	H.264 : Compression Level, Target Bitrate Level Control, M-JPEG : Quality Level Control
Bitrate Control Method	H.264 : CBR or VBR, M-JPEG : 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
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
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
ONVIF Conformance	Yes
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatia, Hungary, Greek
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS, Supported Browser : Internet Explorer 6.0 or Higher, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-I viewer
<b>ENVIRONMENTAL</b>	
Operating Temperature / Humidity	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (Heater on) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)
Ingress Protection	IP66 Grade (Waterproof)
Vandal Resistance	IK10
<b>ELECTRICAL</b>	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 6W (12V DC), Max. 7W (24V AC, PoE (48V DC)), Max. 11W (24V AC - Heater on) * Heater works at AC input only
<b>MECHANICAL</b>	
Color / Material	Body : Ivory / Aluminum
Dimensions (WxH)	Ø160 x 134.5mm (Ø6.3" x 5.3")
Weight	1.4Kg (3.09 lb)

### 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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