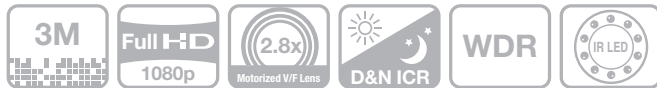


# SNO-7082R

3Megapixel Full HD Weatherproof Network IR Camera

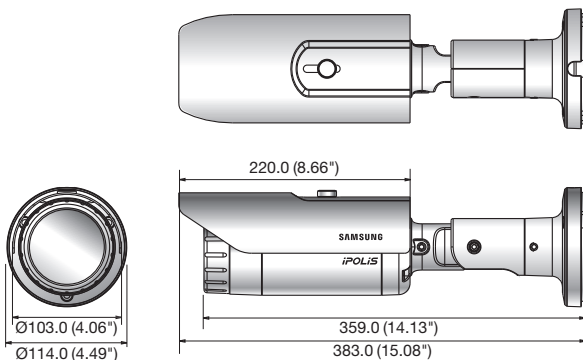


## Key Features

- Max. 3M (2048 x 1536) resolution
- 16 : 9 Full HD (1080p) resolution support
- 3 ~ 8.5mm (2.8x) motorized varifocal lens
- H.264, MJPEG dual codec
- Multiple streaming
- Smart compression (ROI encoding)
- Audio / Face / Motion Detection
- SD memory (4GB included)
- Simple focus, UPnP
- IR LED (32ea), PoE, IP66, Bi-directional audio support

## Dimensions

Unit : mm (inch)



## Technical Specifications

SNO-7082RN/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 : 0.7Lux (F1.2, 50IRE), 0.011Lux (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, 704 x 480(N), 704 x 576(P), for installation
<b>LENS</b>	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 87.3°(Wide) ~ 31.2°(Tele) / V : 64.5°(Wide) ~ 23.4°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual / Simple focus / Day & Night
Lens Type	DC auto iris
Mount Type	Board-in type
<b>OPERATIONAL</b>	
IR LED	32ea
Viewable Length	30m (98.43ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External
Backlight Compensation	Off / BLC / HLC / WDR
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)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 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 (Relay)
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
<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 - 20fps, 1024 x 768 ~ 1920 x 1080 - 15fps 2048 x 1536 - 10fps 2M mode - H.264 : Max. 30fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 30fps, 1024 x 768 ~ 1920 x 1080 - 15fps
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
Audio Compression Format	G.711, G.726
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, 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 (4GB included)
ONVIF Conformance	Yes (Profile S)
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
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, SSM (Samsung Security Manager)
<b>ENVIRONMENTAL</b>	
Operating Temperature / Humidity	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than 90% RH (Heater on)
Storage Temperature / Humidity	12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH (Heater off)
Ingress Protection	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
<b>ELECTRICAL</b>	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 12.95W (12V DC, 24V AC, PoE (Class3) - Heater off), Max. 18.5W (24V AC - Heater on) * Heater works at AC input only
<b>MECHANICAL</b>	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	Ø114.0 x 383.0mm (Ø4.49" x 15.08")
Weight	1.73kg (3.81 lb)

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