

3MP Network Monitoring in the Darkness

High function 3 Megapixel IR Network Camera



3Megapixel Full HD Weatherproof Network IR Camera

SNO-7080R

The SNO-7080R is a Full HD 3 megapixel IR LED camera which utilized Samsung's WiseNet2 DSP chipset. Thanks to the range of high functionalities that WiseNet2 cameras offer, the SNO-7080R features a motorised vari-focal lens and smart compression function to save installation time and bandwidth by capturing greater details only for the regions of interest. Its built-in 32 IR LEDs provides the ability to capture clear images of objects which are up to 30m from the camera, even when the area is in total darkness and the IP66 rated waterproof function show that the SNO-7080R can be an effective choice for demanding environments.



- 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
- SD/SDHC memory slot (4GB included)
- Smart compression (ROI encoding)
- IP66 Grade (Waterproof)

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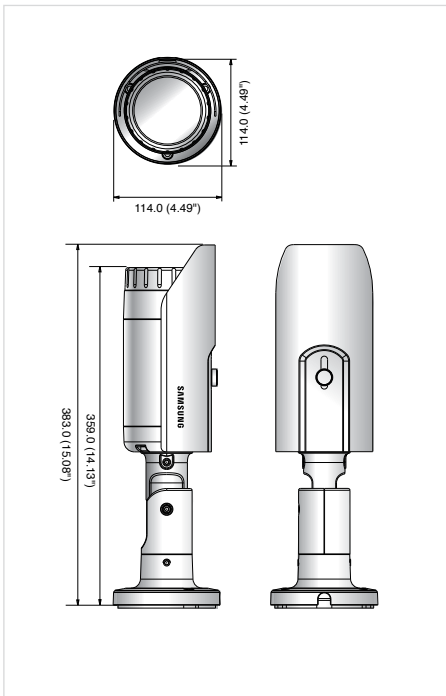
Specifications



SNO-7080RN/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 : 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
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) Motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 94°(Wide) ~ 32.9°(Tele), V : 69.86°(Wide) ~ 24.92°(Tele)
Focus Control	Remote control via network (Manual, One-shot AF)
Lens Type	DC auto iris
Mount Type	Board-in type
OPERATIONAL	
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 B/W
Backlight Compensation	Off / BLC / HLC / WDR
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 (1/30~30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene change, Virtual line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	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
Max. Framerate	3M mode - H.264 : Max. 20fps at all resolutions MJPEG : 800 x 600 ~ 320 x 180 - 20fps, 1280 x 1024 ~ 1920 x 1080 - 15fps, 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
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, QoS
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
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 7.0/8.0, Firefox, Google Chrome, Apple Safari
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	24V AC : -50°C ~ +50°C (-58°F ~ +122°F) / Less than 90% RH 12V DC, PoE : -10°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH
Ingress Protection	IP66 Grade (Waterproof)
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	16.5W (Heater on), 11.3W (Heater off)
MECHANICAL	
Color / Material	Dark gray / Metal
Dimensions (WxHxD)	Ø114.0 x 388.0mm (Ø4.49" x 15.28")
Weight	1.8Kg (3.97 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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