## 2Megapixel Full HD Weatherproof Network IR Camera

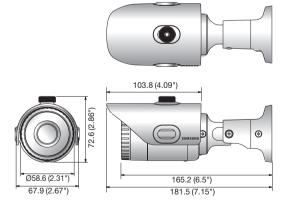


## **Key Features**

- Max. 2M (1920 x 1080) resolution
- 3.6mm fixed lens
- 0.15Lux@F1.8 (Color), 0Lux@F1.8 (B/W: IR LED on)
- 30fps@all resolutions (H.264)
- H.264, MJPEG dual codec, Multiple streaming
- Motion detection, Tampering
- micro SD/SDHC memory slot, PoE
- IR viewable length 20m, IP66
- Hallway view support (Rotate 90°/270°)
- LDC support (Lens Distortion Correction)

## **Dimensions**





	SNO-L6013RN/P
VIDEO	
Imaging Device	1/2.9" 2.19M CMOS
Total Pixels	2,000(H) x 1,121(V)
Effective Pixels	1,984(H) x 1,105(V)
Scanning System	Progressive
	Color: 0.15Lux (1/30sec, F1.8), 0.003Lux (2sec, F1.8)
Min. Illumination	B/W : OLux (IR LED on)
LENC	D/W . OLUX (IT ELD OII)
LENS	
Focal Length (Zoom Ratio)	3.6mm fixed
Max. Aperture Ratio	F1.8
Angular Field of View	H: 86.5°/V: 47.8°/D: 101.2°
Min. Object Distance	0.5m (1.64ft)
Lens Type	Fixed
Mount Type	Board type
OPERATIONAL	
IR Viewable Length	20m (65.62ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	True Day & Night
Backlight Compensation	Off / BLC
Contrast Enhancement (DWDR)	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNR (Off / On)
Motion Detection	Off / On (4ea rectangular zones)
Privacy Masking	Off / On (6ea rectangular zones)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC (Lens Distortion Correction)	Off / On (5 levels with min / max)
Electronic Shutter Speed	Minimum / Maximum / Anti flicker
Flip / Mirror	Flip / Mirror / Hallway view
Intelligent Video Analytics	Motion detection with metadata, Tampering
Alarm Triggers	Motion detection, Tampering detection, SD card error, NAS error
Alarm Events	File upload via FTP and E-mail, Local storage recording at event, Notification via E-mail
NETWORK	The aplead via FTF and E mail, Eocal storage recording at event, Notification via E mail
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
	1920 x 1080, 1280 x 960, 1280 x 720, 1024 x 768,
Resolution	800 x 600, 720 x 576, 640 x 480, 320 x 240
Max. Framerate	H.264 : Max. 30fps at all resolutions MJPEG : Max. 1fps at 1920 x 1080, 1280 x 960, 1280 x 720, 1024 x 768,
	Max. 15fps at other resolution
Video Quality Adjustment	'
	H.264 : Target bitrate level control, MJPEG : Quality level control
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR
Streaming Capability	Multiple streaming (Up to 3 profiles)
Audio I/O	Line in
	G.711 u-law / G.726 selectable
Audio Compression Format	G.726 (ADPCM) 8KHz, G.711 8KHz, G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps
A -1'- O	
Audio Communication	Uni-directional audio
IP	IPv4, IPv6
B	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP,
Protocol	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	6 users at unicast mode
222 100000	micro SD/SDHC max, 32G, NAS
Ctorogo	- Motion images recorded in the SD memory card can be downloaded
Storage	
	- Manual recording at local PC
Application Programming Interface	ONVIF Profile S, G, SUNAPI (HTTP API)
	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese,
Webpage Language	Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch,
***onpayo Languayo	Croatian, Hungarian, Greek, Norwegian, Finnish
	Groduari, nurigariari, Greek, Norwegiari, Firirisri
	Supported OS: Windows XP / VISTA / 7 / 8 / 8.1, MAC OS X 10.7 ~ 10.10
	Supported Browser: Microsoft Internet Explorer (Ver. 8 ~ 11), Mozilla Firefox (Ver. 9 ~ 35),
Web Viewer	Google Chrome (Ver. 15 ~ 40), Apple Safari (Ver. 8.0.2(Mac OS X 10.10),
	7.0.6(Mac OS X 10.9), 6.0.2 (Mac OS X 10.8, 10.7 only), 5.1.7)
	* Mac OS X only
Onetral Manager 11 0 19	•
Central Management Software	SmartViewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH
Operating Temperature / Humidity	*Start up should be done at above -20°C (-4°F)
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66
ELECTRICAL	
Input Voltage / Current	PoE (IEEE802.3af, Class2)
Power Consumption	Max. 5.7W
MECHANICAL	THUS OF T
	D. L (Bl. al.
Color / Material	Dark gray / Plastic
Dimensions (WxH)	Ø58.6 x 165.2mm (Ø2.31" x 6.5") (Without sunshield)
Weight	250g (0.55 lb)

SNO-L6013RN/P

<sup>\*</sup> Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).



 $<sup>^{\</sup>star}$  The latest product information / specification can be found at www.samsungsecurity.com