

SRK-3030S

4 Channel PoE NVR Kit

NVR (SRN-473S : 1ea)

- Up to 4CH 8M supported
- 32Mbps network camera recording
- Plug & play by 4 PoE/PoE+ ports
- Max. 1 HDD, HDMI / VGA local monitor

Camera

(SND-L6013R : 2ea)

- 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
- MD, Tampering, micro SD/SDHC memory slot, PoE
- IR viewable length 15m
- Hallway view support (Rotate 90°/270°)
- LDC support (Lens Distortion Correction)

(SNF-8010 : 1ea)

- Max. 5M (2560 x 2048) resolution
- Various viewing composition, 6 dewarping view mode
- On board dewarping, Digital PTZ / Bi-directional audio
- MD, AD, micro SD/SDHC/SDXC memory slot, PoE



SRK-3030S

4 Channel PoE NVR Kit

SRN-473S x 1ea

4CH Network Video Recorder with PoE Switch

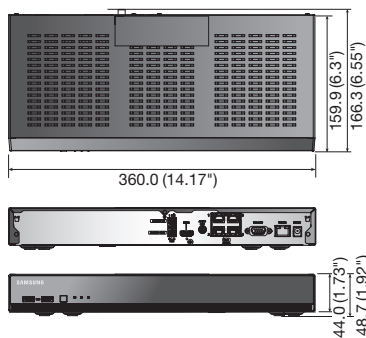


Key Features

- Up to 4CH 8M supported
- 32Mbps network camera recording
- Plug & play by 4 PoE/PoE+ ports
- Max. 1 HDD
- HDMI / VGA local monitor

Dimensions

Unit : mm (inch)



Kit Contents

- NVR (SRN-473S 1ea)
- Remote control, Battery, Mouse
- CD (Network viewer software, User manual)
- User manual, Quick guide
- Adaptor, Power cable, Warranty card
- Ethernet cable (60ft, 3ea) / (1.5m, 1ea)

SRN-473S

DISPLAY		
Video	Inputs / Resolution	Up to 4CH / CIF ~ 8M
	Protocols	Samsung, ONVIF
Live	Local Display	HDMI / VGA
	Multi Screen Display	[Local monitor] 1 / 4 / Auto sequence, [Web] 1 / 4 / Auto sequence
	Performance	[Local monitor] 8M (20fps), 5M (30fps), 3M (50fps), 2M (120fps), 720p (120fps), D1 (120fps) [Web] 5M (30fps), 3M (60fps), 2M (120fps), 720p (120fps), D1 (120fps)
PERFORMANCE		
Operating System	Embedded	Linux
	Compression	H.264, MJPEG
Recording	Recording Bandwidth	32Mbps, 2M 4 camera real-time recording
	Resolution	CIF ~ 8M
	Mode	Normal, Scheduled, Event (Pre / Post)
	Event Trigger	Alarm input (2), Video loss, Camera event (Alarm in, MD, Video analytics)
	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
Search & Playback	Playback Bandwidth	32Mbps
	Performance	Max. 3 users
	Mode	Date & Time (Calendar) / Event log list / Text Search (POS)
	Simultaneous Playback	[Local monitor] Up to 4CH, [Web, CMS] Up to 4CH
	Resolution	CIF ~ 8M
Storage	Internal	1 SATA
	Max. Capacity	Internal 4TB
Back up	File Back up	BU/EXE (USB), JPG/AVI (Web, CMS)
	Function	Max. 4CH playback, Date-time/title display
Sensor	Input / Output	2 / 1 (NO/NC 1ea)
Audio	Input / Compression	4CH (Network) / G.711, G.726, AAC (16/48KHz)
	Audio Communication	2-way
NETWORK		
Protocol Support		TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S)
DDNS		Samsung iPOLiS DDNS
Transmission Bandwidth		Max. 64Mbps
Max. Remote Users		Search 3 / Live unicast 10 / Live multicast 20
IP		IPv4 / IPv6
Security		IP address filtering, User access log, 802.1x authentication, Encryption
Language	GUI / Web	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai
OS		Supported OS : Window XP (Service pack 2 or above), Vista, 7, 8, Mac OS X (10.6 or above)
Web Browser		Microsoft Internet Explorer (Updated Ver. 8 ~10, IE 9 or above recommended) Mozilla Firefox (Ver. 19.x or above), Google Chrome (Ver. 26.x or above), Apple Safari (Ver. 6.0.3 or above)
Viewer Software	Type	SSM, Webviewer, SmartViewer, iPOLiS mobile viewer
	CMS Support	SDK / CGI (SUNAPI)
FUNCTIONS		
Camera Setup	Register	PnP mode, Manual mode
	Setup Items	IP address, Add profile edit, Bitrate, Compression, GOP, Quality Camera MD setup Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSSDR, DIS)
Camera Control	PoE	Monitor PoE power consumption, On/Off control for each PoE camera Remote reset for each PoE camera
Easy Configuration		Setup Wizard (Date/Time, Network, Auto camera configuration)
PTZ	Control / Preset	Via GUI, Webviewer, SPC-2000 / 255
Smart phone	OS	Android, iOS
	Control	Live (4CH) / Playback (1CH)
System Control		Mouse, IR Remocoon, Web, SPC-2000 (Controller)
INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, Alarm status LED 1ea, Record status LED 1ea
	USB	2ea (Front 2ea)
Connections	HDMI / VGA	1ea / 1ea
	Audio	Out 1ea (RCA, Line)
	Ethernet	RJ-45 4ea (PoE/PoE+, 100Mbps), RJ-45 1ea (WAN, 100Mbps)
Alarm		In 2ea (Terminal block) / Out 1ea (Terminal block)
Reset		Yes (Factory reset)
SYSTEM		
Log	Log List	Max. 20000 (System log, Event log each)
GENERAL		
Electrical	Input Voltage / Current	54V DC / 1.67A
	Power Consumption	Max. 77W (1 HDD, PoE on), 16W (1 HDD, PoE off)
	PoE Budget	Max. 50W
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Color / Material	Black / Metal
	Dimensions (WxHxD)	360.0 x 44.0 x 159.9mm (14.17" x 1.73" x 6.3") (1U)
	Weight	Approx. 1.6Kg (3.52 lb), 1TB HDD 1ea included

* The latest product information / specification can be found at www.samsungsecurity.com

SRK-3030S

4 Channel PoE NVR Kit

SND-L6013R x 2ea

2Megapixel Full HD Network IR Dome Camera

WiseNet Lite

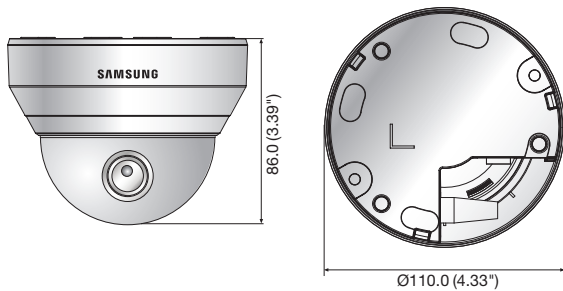


Key Features

- 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)
- IR viewable length 15m
- Hallway view (Rotate 90°/270°), LDC support

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-301HM7 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B SBP-300PM SBP-300KM

Kit Contents

- Camera (SND-L6013R 2ea)
- CD (Instruction book, Installer S/W)
- Quick guide
- Warranty card
- Template, Tapping screw (2ea)

SND-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
Min. Illumination	Color : 0.15Lux (1/30sec, F1.8), 0.003Lux (2sec, F1.8) B/W : 0Lux (IR LED on)
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
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
IR Viewable Length	15m (49.21ft)
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	True Day & Night
Backlight Compensation	Off / BLC
Contrast Enhancement (DWRD)	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	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	1920 x 1080, 1280 x 960, 1280 x 720, 1024 x 768, 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	Built-in mic
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	Uni-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	6 users at unicast mode
Storage	micro SD/SDHC max. 32G, NAS - Motion images recorded in the SD memory card can be downloaded - Manual recording at local PC
Application Programming Interface	ONVIF Profile S, G, SUNAPI (HTTP API)
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 / 8 / 8.1, MAC OS X 10.7 ~ 10.10 Supported Browser : Microsoft Internet Explorer (Ver. 8 ~ 11), Mozilla Firefox (Ver. 9 ~ 35), 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
Central Management Software	SmartViewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	PoE (IEEE802.3af, Class2)
Power Consumption	Max. 5.9W
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø110.0 x 86.0mm (Ø4.33" x 3.39")
Weight	245g (0.54 lb)

* The latest product information / specification can be found at www.samsungsecurity.com

SRK-3030S

4 Channel PoE NVR Kit

SNF-8010 x 1ea

5Megapixel Fisheye Camera

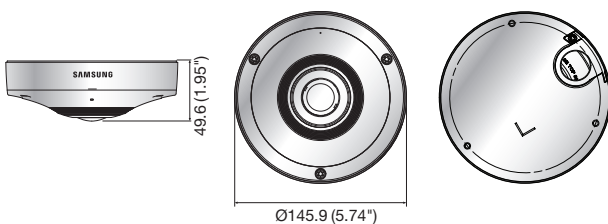


Key Features

- Max. 5M (2560 x 2048) resolution
- Various viewing composition, 6 dewarping view mode
- On board dewarping, Digital PTZ / Bi-directional audio
- MD, AD, micro SD/SDHC/SDXC memory slot, PoE

Dimensions

Unit : mm (inch)



Accessories (Optional)



Kit Contents

- Camera (SNF-8010 1ea)
- CD (Instruction book, Installer S/W)
- Quick guide, Warranty card
- L Wrench, Drill bit, Template
- Tapping screw (3ea), Plastic anchor (3ea), Machine screws (3ea)

SNF-8010

VIDEO	
Imaging Device	1/1.8" 6M CMOS (IMX178)
Total Pixels / Effective Pixels	6megapixel / 5.2M (2,560 x 2,048)
Scanning System	Progressive
Min. Illumination	Color : 0.5Lux (F2.5, 50IRE), 0.2Lux (F2.5, 30IRE) B/W : 0.05Lux (F2.5, 50IRE), 0.02Lux (F2.5, 30IRE)
LENS	
Focal length / Max. Aperture Ratio	1.14mm fixed / F2.5
Angular Field of View	H : 187° / V : 187° / D : 187°
Min. Object Distance / Focus Control	0.3m (0.98ft) ~ Infinity / Manual
Lens Type / Mount Type	Fixed lens / Board type (M12)
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night / Backlight Compensation	True D&N / BLC
Contrast Enhancement (DWR)	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNR (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4ea rectangle zones)
Privacy Masking	Off / On (32 zones with rectangle)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor (Include mercury)
Electronic Shutter Speed	2 ~ 1/12,000sec
Digital Zoom	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
Alarm Events	File upload via FTP and E-Mail, Notification via E-Mail, TCP and HTTP Local storage (SD/SDHC/SDXC) recording at network disconnected & event (Alarm triggers), External output
Viewing Composition	Camera : 360 source view, Single panorama, Double panorama, Quad view, Single rectangle CMS : 360 source view, Single panorama, Double panorama, Quad view, Single rectangle, 360 source view + 3 rectangle, Single panorama + 2 rectangle
NETWORK	
Ethernet	RJ-45 (10/100BASE-T) : Female type
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	Original View
	Dewarped View
Max. Framerate	MJPEG
	H.264
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 5 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 / IP	Bi-directional / IPv4, IPv6
Protocol	TTCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, IGMP, 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) v2.0, SVP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 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
Central Management Software	SmartViewer, SSM
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Standard Certification	UL, CE, FCC, RoHS, Gost, KC
ELECTRICAL	
Input Voltage / Current	12V DC ±10%, PoE (IEEE802.3af, Class3)
Power Consumption	Max. 8.7W (12V DC), Max. 10.3W (PoE)
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø145.9 x 49.6mm (Ø5.74" x 1.95")
Weight	780g (1.72 lb)

* The latest product information / specification can be found at www.samsungsecurity.com