

SRN-472S



4CH Network Video Recorder with PoE Switch

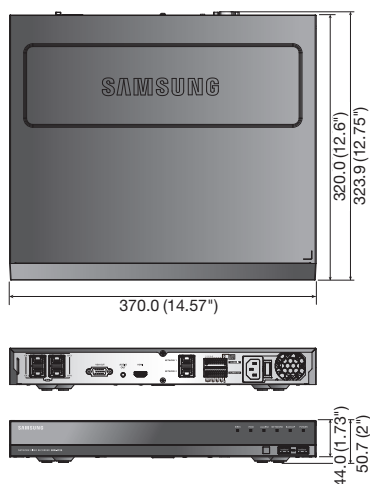


Key Features

- Up to 4CH 5MP supported
- 32Mbps network camera recording
- Plug & play by 4 PoE ports
- Max. 2 HDDs
- HDMI/VGA local monitor

Dimensions

Unit : mm (inch)



		SRN-472S
DISPLAY		
Video	Inputs	Up to 4CH
	Resolution	CIF ~ 5M
	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] 5M (30fps), 3M (30fps), 2M (120fps) [Web] 5M (30fps), 3M (60fps), 2M (120fps)
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264, MJPEG
	Recording Bandwidth	32Mbps (2M 4CH real-time recording)
	Resolution	CIF ~ 5M
	Mode	Normal, Scheduled, Event (Pre / Post)
	Event Trigger	Alarm input(4), Video loss, Camera event (Sensor, MD, Video analytics)
	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
Search & Playback	Playback Bandwidth	32Mbps (4CH simultaneously)
	Mode	Date & Time (Calendar) / Event log list
	Simultaneous Playback	[Local monitor] Up to 4CH, [Web, CMS] Up to 4CH
	Resolution	CIF ~ 5M
Storage	Playback Control	Fast forward / backward, Move one step up / down
	Built-in	1ea
	Internal	2ea (Fixed)
Back up	Capacity	Internal max. 8TB
	File Back up	[USB] : BU/Exe, [Web, CMS] : JPEG, AVI
Sensor	Function	Single channel play, Date-time/title display
	Input / Output	4 / 3 (NO/NC selectable)
Audio	Input	4CH (Network)
	Compression	G.711, G.726
	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		Min. 32Mbps
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 Viewer	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		[Window] : XP SP2 or above, Vista, 7, 8, [Mac OS] : OSX 10.7 or above
Web Browser		[Internet Explorer] : ver.8 ~ 11, [Firefox] : ver.19.x or above [Chrome] : ver.26.x or above, [Safari] : ver.6.0.3 or above (OSX 10.6 or above)
Viewer Software	Type	SSM, Webviewer, SmartViewer
Software	CMS Support	SDK / CGI
FUNCTIONS		
Camera Setup	Register	PnP mode, Manual mode
	Setup Items	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Video setup (MD, Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDR, D&N, SSNR, Shutter)
PTZ	Control	Via GUI, Webviewer
	Preset	255
Smart phone	OS	Android, iOS
	Control	Live 4 / Playback 1
System Control		Mouse, IR Remocon
INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea Record status LED 1ea, Network action LED 1ea, Back up status LED 1ea
	USB	2ea
	HDMI / VGA	1ea / 1ea
Connections	Audio	Out 1ea (RCA, Line)
	Ethernet	2ea (100Mbps) + PoE 4ea (10/100Mbps)
	Alarm	In 4ea (Terminal block) / Out 3ea (Terminal block)
	Power Cord	AC inlet 1ea
SYSTEM		
Log	Log List	System log : Max. 20000, Event log : Max. 20000
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC / 3.5A 50Hz/60Hz
	NVR Power Consumption	Max. 30W (With 1TB HDD 1ea)
	Camera Power Output	15.4W per Channel, Total 61.6W (PoE, IEEE 802.3af)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Color / Material	Black / Metal
	Dimensions (WxHxD)	370.0 x 44.0 x 320.0mm (14.57" x 1.73" x 12.6") (1U)
	Weight (Without HDD)	2.73Kg (6.02 lb)
Approvals	Safety	UL, KC
	EMC	CE, FCC, KCC, CCC, Gost-R

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

SRN-473S

4CH Network Video Recorder with PoE Switch

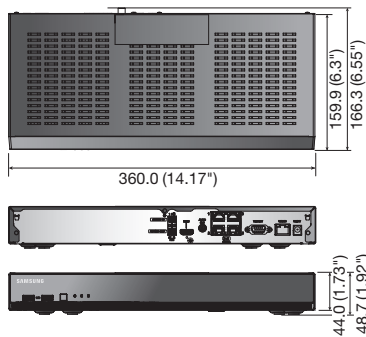


Key Features

- 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)



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
Recording	Compression	H.264, MJPEG
	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)
Search & Playback	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	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
Storage	Resolution	CIF ~ 8M
	Fish-eye Dewarping	Via Smartviewer
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
Back up	Internal	1 SATA
	Max. Capacity	Internal 4TB
Sensor	File Back up	BU/EXE (USB), JPG/AVI (Web, CMS)
	Function	Max. 4CH playback, Date-time/title display
Audio	Input / Output	2 / 1 (NO/NC 1ea)
	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, SSSR, Shutter, SSSD, 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 Remocon, 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 (3.52lb), 1TB HDD 1ea included

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

SRN-873S

8CH Network Video Recorder with PoE Switch

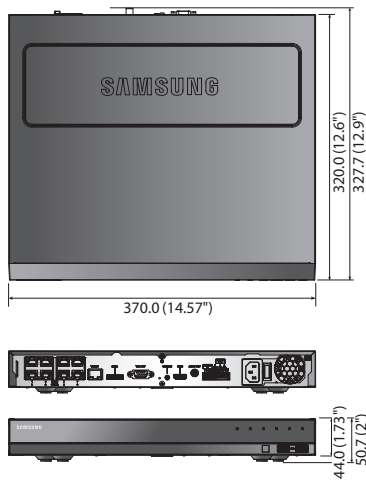


Key Features

- Up to 8CH 8megapixel supported
- 64Mbps network camera recording
- Plug & play by 8 PoE/PoE+ ports
- Max. 2HDDs, e-SATA storage supported
- HDMI / VGA local monitor

Dimensions

Unit : mm (inch)



SRN-873S

DISPLAY		
Video	Inputs / Resolution	Up to 8CH / CIF ~ 8M
	Protocols	Samsung, ONVIF
Live	Local Display	HDMI / VGA
	Multi Screen Display	[Local monitor] 1 / 4 / 6 / 8 / Auto sequence, [Web] 1 / 4 / 8 / Auto sequence
	Performance	[Local monitor] 8M (20fps), 5M (30fps), 3M (50fps), 2M (150fps), 720p (240fps), D1 (240fps) [Web] 5M (30fps), 3M (60fps), 2M (120fps), 720p (240fps), D1 (240fps)
PERFORMANCE		
Operating System	Embedded	Linux
Recording	Compression	H.264, MJPEG
	Recording Bandwidth	64Mbps, 2M 8 camera real-time recording
	Resolution	CIF ~ 8M
	Mode	Normal, Scheduled, Event (Pre / Post)
	Event Trigger	Alarm input (4), Video loss, Camera event (Alarm in, MD, Video analytics)
Search & Playback	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Playback Bandwidth	32Mbps
	Performance	Max. 3 users
	Mode	Date & Time (Calendar) / Event log list / Text search (POS)
	Simultaneous Playback	[Local monitor] Up to 8CH, [Web, CMS] Up to 8CH
Storage	Resolution	CIF ~ 8M
	Fish-eye Dewarping	Via Smartviewer
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
	Internal	2 SATA
	External (DAS)	1 e-SATA
Backup	Max.Capacity	Internal 8TB
	File Backup	BU/EXE (USB), JPG/AVI (Web, CMS)
Sensor	Function	Max. 8CH playback, Date-time/title display
	Input / Output	4 / 3 (NO 2ea, NO/NC 1ea)
Audio	Input / Compression	8CH (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		iPOLiS DDNS
Transmission Bandwidth		Max. 128Mbps
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, SSSR, 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 presets
	OS	Android, iOS
Smart Phone	Control	Live (4CH) / Playback (1CH)
System Control		Mouse, IR Remocon, Web, SPC-2000 (Controller)
INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea, Record status LED 1ea, Network action LED 1ea, Backup LED 1ea
	USB	2ea (Front 2ea)
	HDMI / VGA	1ea / 1ea
Connections	Audio	Out 1ea (RCA, Line)
	Ethernet	RJ-45 8ea (PoE/PoE+, 100Mbps), RJ-45 1ea (WAN, 1Gbps)
	Alarm	In 4ea (Terminal block) / Out 3ea (Terminal block)
	Reset	Yes (Factory reset)
SYSTEM		
Log	Log List	Max. 20,000 (System log, Event log each)
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC, 50/60Hz / 3 ~ 1.5A
	Power Consumption	Max. 166W (2 HDD, PoE on), 44W (2 HDD, PoE off)
	PoE Budget	Max. 100W
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Color / Material	Black / Metal
	Dimensions (WxHxD)	370.0 x 44.0 x 320.0mm (14.57" x 1.73" x 12.6") (1U)
	Weight	Approx. 3.4Kg (7.49 lb), 1TB HDD 1ea included

*The latest product information / sepecification can be found at <http://security.hanwhatechwin.com>

SRN-1673S

16CH Network Video Recorder with PoE Switch

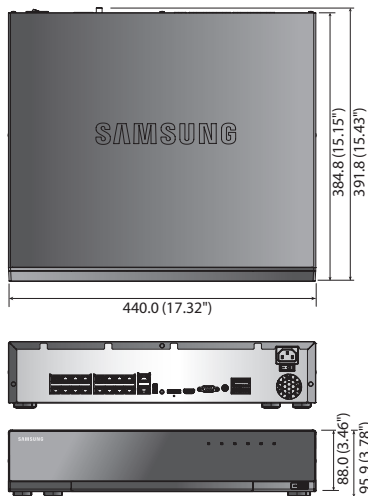


Key Features

- Up to 16CH 8megapixel supported
- 80Mbps network camera recording
- Plug & play by 16 PoE/PoE+ ports
- Max. 4HDDs, e-SATA storage supported
- HDD removable (Easy install)
- HDMI / VGA local monitor

Dimensions

Unit : mm (inch)



SRN-1673S

DISPLAY		
Video	Inputs / Resolution	Up to 16CH / CIF ~ 8M
	Protocols	Samsung, ONVIF
Live	Local Display	HDMI / VGA
	Multi Screen Display	[Local monitor] 1 / 4 / 6 / 8 / 9 / 13 / 16 / Auto sequence, [Web] 1 / 4 / 9 / 16 / Auto sequence
	Performance	[Local monitor] 8M (20fps), 5M (30fps), 3M (50fps), 2M (150fps), 720p (240fps), D1 (480fps) [Web] 5M (30fps), 3M (60fps), 2M (120fps), 720p (240fps), D1 (480fps)
PERFORMANCE		
Operating System	Embedded	Linux
	Compression	H.264, MJPEG
Recording	Recording Bandwidth	80Mbps, 2M 16 camera real-time recording
	Resolution	CIF ~ 8M
	Mode	Normal, Scheduled, Event (Pre / Post)
	Event Trigger	Alarm input (8), Video loss, Camera event (Alarm in, MD, Video analytics)
Search & Playback	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Playback Bandwidth	32Mbps
	Performance	Max. 3 users
	Mode	Date & Time (Calendar) / Event log list / Text search (POS)
	Simultaneous Playback	[Local monitor] Up to 16CH, [Web, CMS] Up to 16CH
	Resolution	CIF ~ 8M
Storage	Fish-eye Dewarping	Via Smartviewer
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
	Internal	4 SATA (HDD removable at front)
	External (DAS)	1 e-SATA
Backup	Max. Capacity	Internal 16TB
	File Backup Function	BU/EXE (USB), JPG/AVI (Web, CMS)
Sensor	Function	Max. 16CH playback, Date-time/title display
	Input / Output	8 / 4 (NO 3ea, NO/NC 1ea)
Audio	Input / Compression	16CH (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		iPOLiS DDNS
Transmission Bandwidth		Max. 160Mbps
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, SSSD, 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 presets
Smart Phone	OS	Android, iOS
	Control	Live (4CH) / Playback (1CH)
System Control		Mouse, IR Remocon, Web, SPC-2000 (Controller)
INDICATOR / INTERFACE		
Front	Indicator	Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea, Record status LED 1ea, Network action LED 1ea, Backup LED 1ea
	USB	2ea (Front 1ea / Rear 1ea)
Connections	HDMI / VGA	1ea / 1ea
	Audio	Out 1ea (RCA, Line)
	Ethernet	RJ-45 16ea (PoE/PoE+, 100Mbps), RJ-45 2ea (LAN/WAN, 1Gbps)
	Alarm	In 8ea (Terminal block) / Out 4ea (Terminal block)
	Reset	Yes (Factory reset, Alarm reset)
SYSTEM		
Log	Log List	Max. 20,000 (System log, Event log each)
GENERAL		
Electrical	Input Voltage / Current	100 ~ 240V AC, 50/60Hz / 6 ~ 3A
	Power Consumption	Max. 309W (4 HDD, PoE on), 57W (4 HDD, PoE off)
	PoE Budget	Max. 200W
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Color / Material	Black / Metal
	Dimensions (WxHxD)	440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15") (2U)
	Weight	Approx. 5.6Kg (12.35 lb), 1TB HDD 1ea included

* The latest product information / specification can be found at <http://security.hanwhatechwin.com>