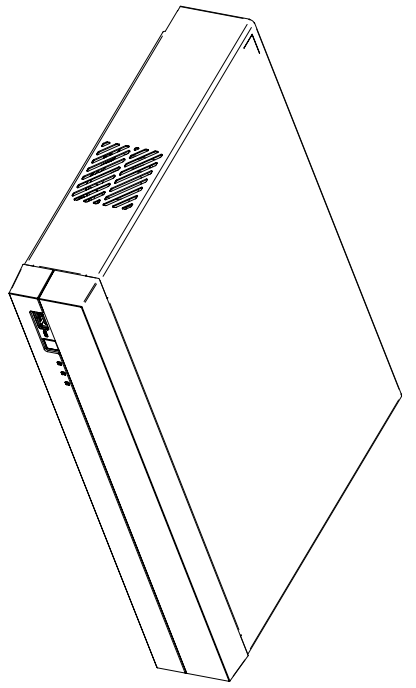# LRN-410S

4CH 5MP NVR with PoE Switch

Key Features

- Up to 4CH 5MP
- H.265, H.264, MJPEG codec
- 30Mbps network camera recording
- Plug & play by 4 PoE ports
- Up to 1 SATA (Max. 6TB)
- HDMI local monitor
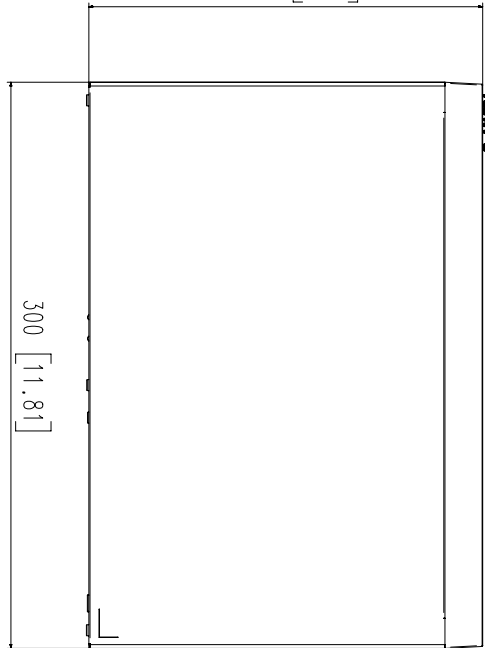- P2P service (QR code connect)

Hanwha Techwin

Display

Network camera	Inputs	Max. 4CH
	Resolution	5MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	HDMI: 1920x1080, 1280x720
	Resolution	5MP(30fps), 3MP(60fps), 2MP(120fps),720p(240fps), D1(240fps)

Performance

Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 30Mbps
	Resolution	5MP ~ CIF
	Mode	Normal, Schedule(Continuous/Event), Event (Pre/Post), Dual track Recording
	Event Trigger	Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, Buzzer, Monitor Out
Search & Play	Playback Bandwidth	Max. 32Mbps(4CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 4CH(Local Monitor, Network)
	Fisheye Dewarping	WEB / CMS / Mobile
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 1ea(Max. 6TB)
Backup	File backup	BU/Exe(GUI), JPG/AVI(Network)
	Function	Multi channel(Upto 4CH) Play, Date-Time/Title display

Network

Protocol	IPv4, IPv6, 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), SUNAPI(Server, Client)
DDNS	Wisenet DDNS
Transmission Bandwidth	Max. 20Mbps
Audio Input/Output	4CH(network)
Compression	G.711, G.726, AAC(16/48KHz)
Audio Communication	2-Way
Max Remote Users	Search(3), Live Unicast(10), Multicast(20)
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA)
Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS

Functions

Camera Setup	Item	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Wisestream, Dynamic GOV/FPS, VA Setup Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Control	Via GUI, Webviewer
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI)
	Control	Live(Multi-Profile Support), Playback
	Max. Remote Users	Search(3), Live Unicast(10)
Redundancy	ARB	Support
Easy configuration		P2P(QR code)

Interface

HDMI	1EA
Ethernet	RJ-45(10/100BASE-T) x 1 RJ-45(PoE+) x 4
USB	2EA(Front 1, Rear 1)

System

System Control	Mouse, IR remocon, Web
Language	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese

Environmental

Operating Temperature	0°C to +40°C(32°F to 104°F)
Operating Humidity	20% ~ 85% RH

Electrical

Power Input	54VDC / 1.20A
Power Consumption	Max. 47W(1HDD, PoE on) Max. 7.4W(1HDD, PoE off)
PoE Budget	Max. 35W

Mechanical

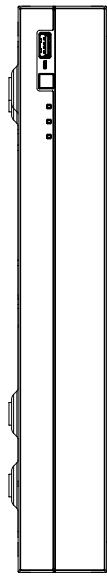| Color / Material	Black / Metal
Dimension (WxHxD)	W300.0 x H47.1 x D208.4 mm (11.8" x 1.85" x 8.2") (1U)
Weight	0.99Kg (2.18lb)

- The lastest product information / specification can be found at hanwha-security.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin , formerly known as Samsung Techwin.
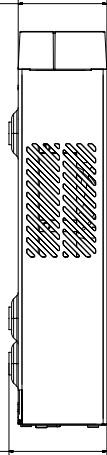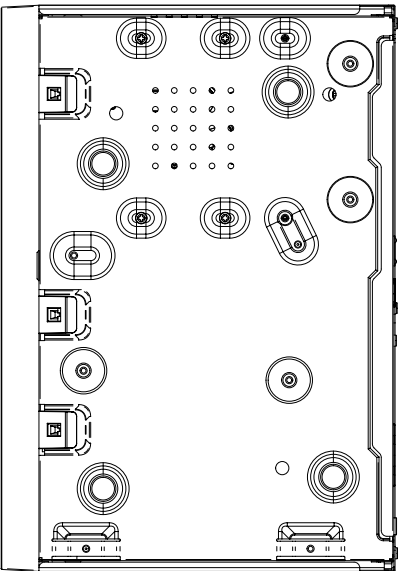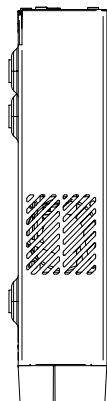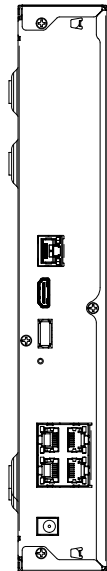
Hanwha Techwin

A0

47 [1.85]

51.9 [2.04]

208.7 [8.22]

300 [11.81]

No.	MODEL NAME			
3	피쳐 MODEL2		QRN-420S	
2	피쳐 MODEL1		LRN-410S	'19.11.
1	BASIC MODEL		QRN-410	

Unit:mm[inch] SCALE:1/1

Hanwha Techwin