



LRN-1610S

16CH 5MP NVR with PoE Switch

Benefits

- Easy plug and play functionality with automatic device discovery and simple setup
- Improved Install wizard for easy configuration
- Easily connect to NVR from anywhere with your smartphone without having to set up a complex network
- Smart search using camera metadata to narrow search results
- USB keyboard supported
- Remote firmware upgrades provided

Key Features

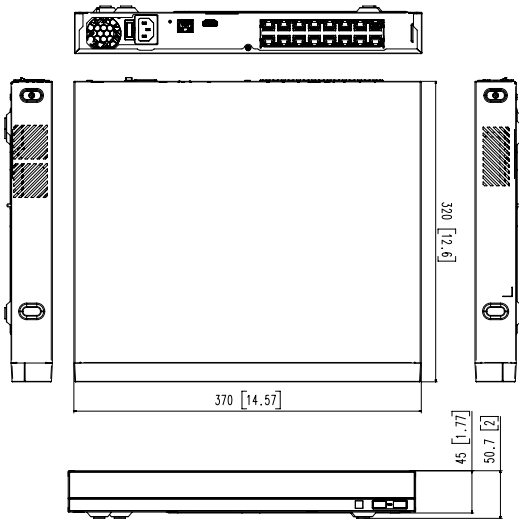
- Up to 16CH 5MP
- H.265, H.264, MJPEG codec
- 100Mbps network camera recording
- Plug & play by 16 PoE ports
- Up to 2 SATA (12TB)
- HDMI local monitor
- P2P service (QR code connect)
- Dual Track Recording

LRN-1610S

DISPLAY	
NETWORK CAMERA	
Inputs	Max. 16CH
Resolution	5MP ~ CIF
Protocols	Wisenet, ONVIF
DECODING	
Local Display	HDMI: 1920x1080, 1280x720
Resolution	5MP(90fps), 3MP(120fps), 2MP(2400fps), 720p(480fps), D1(480fps)
PERFORMANCE	
RECORD	
Compression	H.265, H.264, MJPEG
Recording Bandwidth	Max. 100Mbps
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(16CH simultaneously)
User	Max. 4 Users (Local 1, Remote 3)
Simultaneous playback	Max. 16CH(Network) Max. 8CH(Local Monitor)
Fisheye Dewarping	WEB / CMS / Mobile
STORAGE	
Supported HDD	Up to 6TB
HDD Slot	SATA 2ea(Max. 12TB)
BACKUP	
File backup	BU/Exe(GUI), JPG/AVI(Network)
Function	Multi channel(Upto 8CH) 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
AUDIO	
Input/Output	16CH(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
Viewer Software	Digest Login Authentication
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, SDR, 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)

Dimensions

Unit:mm(inch)



LRN-1610S

REDUNDANCY

ARB	Support
Easy configuration	P2P(QR code)

INTERFACE

HDMI	1EA
USB	2EA(Front 1, Rear 1)
Ethernet	RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE+) x 16
Power inlet	AC 1EA

SYSTEM

System Control	Mouse, IR remote, 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	100~240VAC±10%
Power Consumption	Max. 158.2W(2HDDs, PoE on) Max. 34.6W(2HDDs, PoE off)
PoE Budget	Max. 130W

MECHANICAL

Color / Material	Black / Metal
Dimension (WxHxD)	W370.0 x H44.0 x D320 mm (14.57" x 1.73" x 12.6") (1U)
Weight	2.79Kg (6.15lb)

* The latest 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.