

# NVR5416E 16 CH PoE 4K 1U 19" Rackmount Standalone Network Video Recorder

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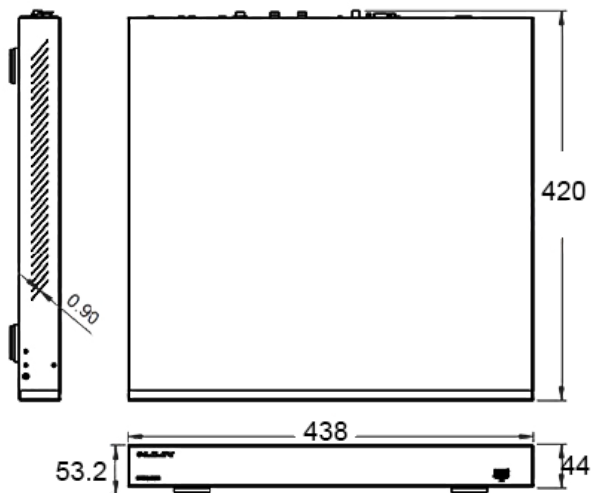
- ▶ 16 Channel H.264 network camera Input
- ▶ Up to 4K H.264 network camera support
- ▶ Up to 1080P 120 FPS network camera support
- ▶ 16 Port PoE, automatic network camera plug and play
- ▶ Up to 8TB HDD supported
- ▶ HDMI 2.0 4K 60P / VGA 1080P output
- ▶ HDMI / VGA main or spot monitor switch
- ▶ Mobile phone iOS, Android solutions provided
- ▶ P2P QR code UID connection for APP and Navigator
- ▶ Network input through up to 240Mbps
- ▶ Chrome, Edge, Firefox, IE, Opera, Safari supported

## Introduction

The NVR5416E standalone NVR is the next generation of LILIN professional PoE NVR series. No IP addresses' configuration for cameras is needed. The NVR5416E is built-in PoE for powering PoE cameras. The NVR5416E supports up to 16 channels Ultra HD (4K) camera recording that the Ultra High Definition, 4K or 8 Megapixels video is four times clearer than traditional 1080p. Along with its low power consumption and all-in-one sleek design, the NVR5416E provides users a simple, affordable yet professional solution for megapixel surveillance in the mainstream markets such as SMBs, retail, hospitality, and intelligent buildings.

## Dimensions

435(W) × 420(L) × 44(H) mm



## 16 CH PoE 4K 1U 19" Rackmount Standalone Network Video Recorder

### Specifications

Model	NVR5416E
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#### IP video input

Supports	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input	16 CH
Resolution	CIF / VGA / D1 / 960H / 1M / 1.3M / 1080P / 3M / 5M / 4K
Maximum Frame Rate	480 FPS

#### Video output

Output	HDMI 2.0 (4K 60P) / VGA 1080P
Spot monitor	HDMI or VGA selectable ( Spot or sync. )
Split Screen	1 / 4 / 8 / 9 / 13 / 16 split division, sequence mode, freeze
Digital Zoom	Up to 64x on live and playback

#### Recording

Encode Format	H.264
Maximum Network Throughput	240Mbps
Resolution	CIF – 4K
Frame Rate	Single channel up to 1080P 120 FPS
Recording Mode	Manual, schedule (continue, event, none)
Recording Schedule	Each channel 7day × 24 hours time table, recording mode configurable
Alarm Event Actions	Motion grid (20×12, multi-level sensitivities) / network camera event / DI
Alarm Notification	Alarm notification iOS · android / E-Mail / FTP / buzzer / DO

#### Playback

Search	Alarm event / Operation event / System event / Meta data event / Time search
Display	16CH synchronous playback
Resolution	CIF – 4K
Max. Frame Rate	Up to 1080P 120FPS
Speed	Fast rewind 2x–64x / Fast forward 2x–64x / Step Forward / Slow motion 1/2 – 1/16

#### Storage

Internal HDD	4 × 3.5" HDD (Up to 8TB supported)
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#### Backup

USB Flash Disk	Up to 32 GB supported
Network Backup	Via HTTP / FTP / Network Places
DVD DVD/RW	External USB DVD/RW

#### Audio

Audio Input	16 CH (network camera) , G.711 8K
Audio Output	RCA × 1
Line-In	RCA × 1
Network Camera Two Way Audio	Yes

#### Network

Ports	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 16 (802.3af)
Protocols	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S
Web	Direct internet browser access / Multiple users access
Mobile Phone	iOS / Android supported
P2P	APP scan QR Code / UID connection
RTSP Service	RTP UDP/ RTSP TCP supported
IPScan / WS-Discovery	Network camera plug and play via PoE port, otherwise WS-Discovery and IP Scan, automatically quick IP address setup for network cameras also available

#### Software

VMS	Navigator
Backup / Playback	Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback

#### Alarm

Ports	DI × 16 and DO × 1 (With programmable condition)
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#### System

Reports	Alarm event, operation, configuration and system execution log full reports exporting over HTTP or USB
Authentication	User authentication with feature configurable and IP address blocking
Language	Arabic, Chinese (Traditional) , Chinese (Simplified) , English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish
HDD Inspection	S.M.A.R.T monitoring / File system de-fragmentation/ IO read write error
Recording Day	Automatic recording day calculator
Time	Daylight saving / NTP / External USB GPS time sync / Keyboard

#### Accessories

PTZ Protocols	HTTP / ONVIF
Keyboard	PIH-931D keyboard input (Connector box required)
USB to RS-232	Record external metadata via USB to RS-232 cable, display at live and playback
Remote Control	Remote controller addressable up to 255 NVRs (optional)
Mouse	Mouse click, drag and scroll
Microphone	USB Mic optional
WiFi / 4G Dongle	WiFi and 4G external USB dongle supported (Certified brand only)

#### Certifications

CE	Yes
FCC	Yes, EMI Class B

#### Others

CPU	ARM Cortex A7 Dual Core
OS	Embedded Linux Kernel 3.10
WDT	Hardware watchdog timer

#### Power and working environment

Power	AC 100–240V 3.5A – 1.7A 60–50HZ 222.6W (Max) for HDDs and cameras
Operating Temperature	0°C – 45°C
Operating Humidity	5% – 80%
Dimension	435(W) × 420(L) × 44(H) mm
Weight	≈5.5 KG ( Without hard drive )