

NVR3416R 16CH 5MP 19"1U Rackmount Standalone Network Video Recorder

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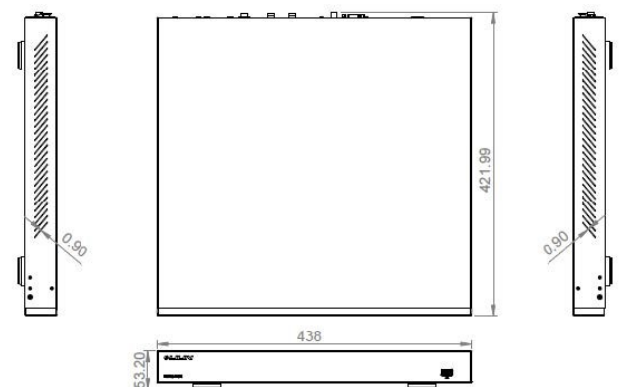
- ▶ 16 Channel network camera Input
- ▶ Up to 5mega pixel H.264 network camera support
- ▶ Up to 1080P 60 FPS network camera support
- ▶ Internal HDD up to 8TB supported
- ▶ 19"1U Rack mount
- ▶ External e-SATA storage supported
- ▶ HDMI and VGA output up to 1920×1080P
- ▶ HDMI / VGA main or spot monitor switch
- ▶ Mobile phone (iOS, Android) solutions provided
- ▶ Network maximum input through up to 96Mbps
- ▶ Chrome, Edge, Firefox, IE, Opera, Safari supported

Introduction

NVR3416R is a LILIN's 16CH NVR, suitable for different environment. With ARM Cortex A9 dual-core processor, the network output is up to 144 Mbps (upward output is up to 96Mbps and download output is 48Mbps). Through LILIN's IPScan and WS-Discovery software, users will be able to constantly connect NVR3416R with the IP camera, simplifying its usage. It also features with VGA and HDMI Output (Full HD, 1,920 x 1,080), and packed with a mouse and a keyboard. It is definitely the first and best choice for middle-sized enterprise when choosing NVR product.

Dimensions

435 × 420 × 44 mm



Adapted to ONVIF-compliant IP cameras

NVR3416R is an easy-to-install Linux based standalone HD solution can record ONVIF compatible cameras



Plug-n-play Device

An automated installation wizard, IPScan and WS Discovery, locates all the cameras on the network and imports a preview picture of each channel to help with identification



Instant Notifications

When an event occurs and the alarm recording is enabled, an alarm icon will be shown instantly on the monitoring display unit and front panel OLED display



PTZ (Pan-Tilt-Zoom) Control

You can adjust the PTZ (Pan-Tilt-Zoom) functions of supported cameras directly on the NVR User Interface which greatly enhancing the convenience in remote monitoring



User-friendly NVR Security System

You can effortlessly monitor and manage multiple IP cameras on a real-time basis, and also attain the very first-hand status of desired monitored cameras such as entrances, exits, car park, building gates to safeguard your property



Timeline-based Search

Operators may easily distinguish regular and alarm recording on the intuitive time line playback bar



Intuitive User Interfaces

LILIN NVR3416R supports wireless mouse and joystick keyboard PIH-931D for easy and intuitive user experience



High Performing

NVR3416R security system is high performing, high quality and reliable with features designed for easy operation and installation as well as superb image quality



Email Notification

LILIN NVR can send email notification with snapshot as an attachment in JPEG to one or multiple recipients in case of any event



Easily Identify Events

Search can be done from the available recorded videos on the basis of channel number, recording type and timeline of the event



P2P

P2P is an easy-to-use service that allows users to access a LILIN NVR by simply scanning a QR code with your smartphone camera. With P2P, you will no longer set up port forwarding in the router, and the use of a P2P driver enables you to access two-way audio, video playback, IO control, and even PTZ control.



HTML5

Now all LILIN NVRs embrace the latest HTML5 technology. HTML5 protocols do no longer require ActiveX plugins for QuickTime or Java videos. What's more, you will never be restricted by limited browsers such as Safari, Chrome, and Firefox in both PC, iOS, and Android.



16CH 5MP 19”1U Rackmount Standalone Network Video Recorder	
IP Video Input	
Model	NVR3416R
Supports	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input	16 CH
Resolution	5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF
Maximum frame rate	480 FPS
Video output	
Output	HDMI / 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 64× on live and playback
Certifications	
CE	Yes, EMI Class B
FCC	Yes, EMI Class B
Recording	
Network video Format	H.264
Maximum Network Throughput	96Mbps
Recording Resolution	CIF ~ 5M
Frame Rate	Single channel up to 1080P 60 FPS record
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
Metadata options	POS RFID AND PIN CONTROLLER USER DEFINED 2 BARCODE SCANNER GPS LPR (Denial, Allowed, Visitor)
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 ~ 5M
Max. frame rate	Up to 1080P 60 FPS
Speed	Fast rewind 2× ~ 64× / Fast forward 2× ~ 64× / Slow motion 1/2 ~ 1/16
Storage	
Swap Drive Bay	4 × 3.5" HDD (Up to 8TB supported)
eSATA	eSATA connector × 1 (Up to 16TB external storage supported)
Back up	
USB Flash Disk	Up to 32 GB supported
Network Backup	Via HTTP / FTP / Network Places
DVD/RW	External USB DVD/ RW
Audio	
Audio input	16 CH (Network camera), G.711 u-law 8K & AAC
Audio Output	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Network Camera Two Way Audio	Yes

Network	
Ports	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)
Protocols	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ SNMP / ONVIF Profile S
Web	Direct internet browser access / Multiple users access
P2P	APP scan QR Code / UID connection
Mobile Phone	iOS / Android supported
RTSP Service	RTP UDP/ RTSP TCP supported
IPScan / WS-Discovery	WS-Discovery and IP Scan, automatically quick IP address setup for network cameras
Web access	Live / playback / backup / menu configuration / event log
Software	
VMS	Navigator
Backup / Playback	Remote Playback Manager / Backup, multiple NVRs file download and multi-channel playback
Alarm	
Ports	DI × 2 and DO × 2 (NO/NC with programmable condition)
System	
Reports	Alarm event, operation and configuration full reports exporting over HTTP or USB
Authentication	User authentication with feature configurable and IP address blocking
Languages	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)
USB GPS Receiver	Support
Others	
CPU	ARM Cortex A9 Dual Core
OS	Embedded Linux Kernel 3.0
WDT	Hardware watchdog timer
Power and Working Environment	
Power	Adapter DC 12V, 5A, 60W × 1
Operating temperature	0°C ~ 45°C
Operating humidity	5% ~ 80%
Dimension	435 × 420 × 44 mm
Weight	≈4 KG (Without hard drive)