

NVR3816 16 CH 5Mega 19" 2U Rack mount Standalone Network Video Recorder

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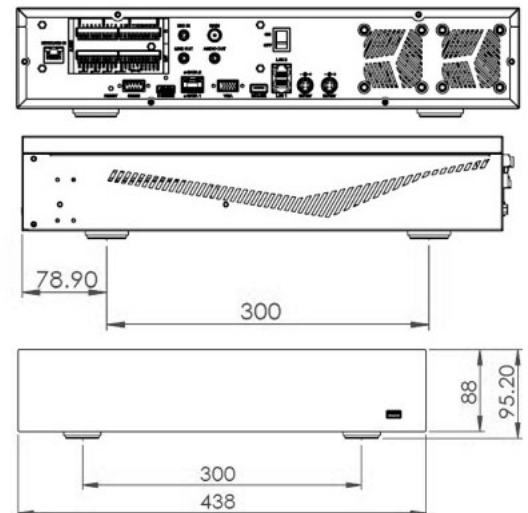

- ▶ 16 Channel network camera Input
- ▶ Up to 5mega pixel H.264 network camera support
- ▶ Up to 1080P 60 FPS network camera support
- ▶ Internal HDD up to 8TB supported
- ▶ 19"2U Rack mount
- ▶ External e-SATA storage supported
- ▶ HDMI and VGA output up to 1920×1080P
- ▶ HDMI / VGA main or spot monitor switch
- ▶ Mobile phone (iOS, Android) solutions provided
- ▶ Network maximum input through up to 96Mbps
- ▶ Chrome, Edge, Firefox, IE, Opera, Safari supported
- ▶ Ethernet failure redundancy or sharing supported
- ▶ Dual redundant power supply supported

Introduction

LILIN NVR3816 is a 16-channel NVR (Network Video Recorder) designed for various recording applications. The system is equipped with an ARM Cortex A9 Dual-core processor with maximum recording throughput at 144 Mbps, and with two external eSATA connector ports for additional expansion up to 32TB. Setup of parameters such as IP address and basic IP camera configuration can easily be performed with LILIN setup wizard – IPScan and WS-Discovery, making the NVR3816 the easiest NVR system to use. With local VGA and HDMI display (with Full HD resolution at 1,920 x 1,080) and mouse and keyboard input available, configuring LILIN NVR is simple – an answer to meet most SMB owners' security needs.

Dimensions

438 × 450 × 88 mm



Adapted to ONVIF-compliant IP cameras

NVR3816 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



Remote Monitoring Modes

NVR3816 supports various monitoring modes – to display 1, 4, 8, 9, 13, 16, 25 and 32 channels on a single screen



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 NVR3816 supports wireless mouse and joystick keyboard PIH-931D for easy and intuitive user experience



High Performing

NVR3816 security system is high performing, high quality and reliable with features designed for easy operation and installation as well as superb image quality



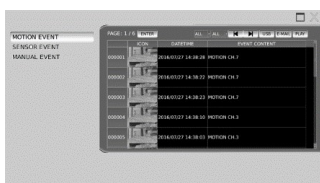
Email Notification

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



High Throughput

The 144 megabits per second (Mbps) throughput, provides enough bandwidth handling capability for 16 channels of megapixel cameras recording



Streams and Records up to 16 IP Cameras

Remote monitoring over recorder allows you to check the live feeds from all surveillance cameras at any time, making sure your property and staff are safe and well protected



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.



16 CH 5Mega 19" 2U Rack mount Standalone Network Video Recorder	
IP Video Input	
Model#	NVR3816
Support	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input	16 CH
Resolution	CIF / VGA / D1 / 960H / 1M / 1.3M / 1080P / 3M / 5M
Maximum Frame Rate	480FPS
Certifications	
CE	Yes
FCC	Yes
Video output	
Output	HDMI / VGA 1080P, CVBS
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	
Network video Format	H.264
Maximum Network Throughput	96Mbps
Resolution	CIF ~ 5M
Frame rate	Single channel up to 1080P 60 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
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	
Playback Search	Alarm event / Operation event / System event / Meta data event / Time search
Playback Display	16CH synchronous playback
Playback Resolution	CIF ~ 5M
Max. frame rate	Up to 1080P 60FPS
Playback Speed	Fast rewind 2× ~ 64× / Fast forward 2× ~ 64× / Slow motion 1/2 ~ 1/16
Storage	
Internal HDD	8 × 3.5" HDD (Up to 8TB supported)
eSATA	eSATA connector × 2 (Up to 32TB external storage supported, each 16TB)
Backup	
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)
Mic. input	RCA × 1
Line output	RCA × 1
Network Camera Two Way Audio	Yes

Network	
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/ Onvif Profile S
Web	Direct internet browser access / Multiple users access
Mobile phone	iOS and Android supported
P2P	APP scan QR Code / UID connection
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 / Backupman, multiple NVRs file download and multi-channel playback
Alarm	
Ports	DI × 16 and DO × 4 (With programmable condition)
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
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	Network HTTP / ONVIF, RS-485 × 1, MLP1 · MLP2 · PELCO D · PELCO P
Keyboard Keypad	PIH-931D keyboard input
12V Output	12V / 1A output × 1
USB to RS-232	Record external metadata via USB to RS-232 cable, display at live and playback
RS-232	RS-232 Port × 1, record external metadata
Remote control	Remote controller addressable up to 255 NVRs (Optional)
Mouse	Mouse click, drag and scroll
Microphone	USB Mic (Optional)
Wi-Fi 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 Supply	Dual redundant power supply, Adapter DC 12V, 10A, 120W × 2, ((Optional))
Operating Temperature	0°C ~ 45°C
Operating Humidity	5% ~ 80%
Dimensions	438 × 450 × 88 mm
Weight	≈7 KG (Without hard drive)