

Stand Alone

NVR5416 16 CH 4K Standalone Network Video Recorder

www.meritlilin.com



HDMI



Onvif



HDMI



12TB HDD



4K HD

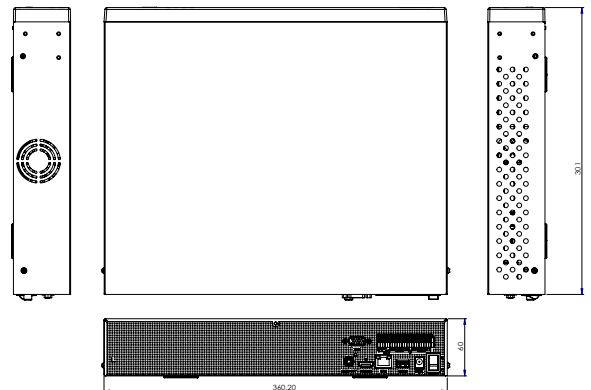


Linux embedded

- ▶ 16 Channel H.264 / H.265 network camera Input
- ▶ Up to 4K H.264 / H.265 network camera support
- ▶ Up to 1080P 60 FPS network camera support
- ▶ Up to 12TB HDD supported
- ▶ HDMI 2.0 4K 60P / VGA 1080P output
- ▶ P2P QR code UID connection for APP and Navigator
- ▶ Mobile phone iOS, Android solutions provided
- ▶ Network input throughput up to 96Mbps
- ▶ Chrome, Edge, Firefox, IE, Opera, Safari supported
- ▶ GPS communications

Dimensions

360 × 316 × 60 mm



16 CH 4K Standalone Network Video Recorder

IP video input	
Model	NVR5416
Supports	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input	16 CH
Resolution	4K / 5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF
Maximum Frame Rate	480 FPS

Video output	
Output	HDMI 2.0 (4K 60P) / VGA 1080P
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 / H.265
Maximum Network Throughput	96Mbps
Resolution	CIF ~ 4K
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
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 60FPS
Speed	Fast rewind 2×~64× / Fast forward 2×~64× / Step Forward / Slow motion 1/2 ~ 1/16

Storage	
Internal HDD / Swap Drive Bay	4 × 3.5" HDD (Up to 12TB supported)

Backup	
USB Flash Disk	Up to 128 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 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 × 1
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	WS-Discovery and IP Scan, automatically quick IP address setup for network cameras

Software	
VMS	Navigator
Backup / Playback	Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback
Digital watermark (Video tamper resistance)	support digital watermark feature to ensure the backup footage is not got forged and modified

Alarm	
Alarm/event (Ports)	DI × 16 and DO × 1 (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
Language	Arabic, Traditional Chinese, Simplified Chinese, 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 3.18.20
WDT	Hardware watchdog timer

Power and working environment	
Power	Adapter DC 12V, 7A, 84W × 1
Operating Temperature	0°C ~ 45°C
Operating Humidity	5% ~ 80%
Dimension (W×L×H)	360 × 316 × 60 mm
Weight	≈2.4 KG (Without hard drive)