



16 ch PoE (K-NL316K) / 4 ch 4 PoE (K-NL304K) / 8 ch 8 PoE (K-NL308K) Network Video Recorder

Key Features

- Up to 4 (K-NL304K) / 8 (K-NL308K) / 16 (K-NL316K) channel with 1080p realtime live view
- H.264 / MJPEG dual codec decoding
- Max 200 Mbps incoming bandwidth
- HDMI / VGA / BNC (K-NL316K) simultaneous video output
- 4 / 8 / 16 channel synchronous realtime playback
- Support 2 SATA HDDs up to 8 TB, 2 USB (1 USB3.0) (K-NL304K / K-NL308K)
- Support 4 SATA HDDs up to 16 TB, 1 eSATA up to 16 TB, 2 USB (1 USB3.0) (K-NL316K)
- 4 PoE (K-NL304K), 8 PoE (K-NL308K), 16 PoE (K-NL316K) ports
- Multiple network monitoring : Web browser, EMS* (E-Series Management Software) & Mobile-EMS*
- Multi-Language : English / Thai / Vietnamese

* EMS & Mobile-EMS do not support i-PRO series NVR

* Panasonic Security Viewer is not supported

H.264 / MJPEG

FULL
HD
Full High Definition
1080/30p

Specifications

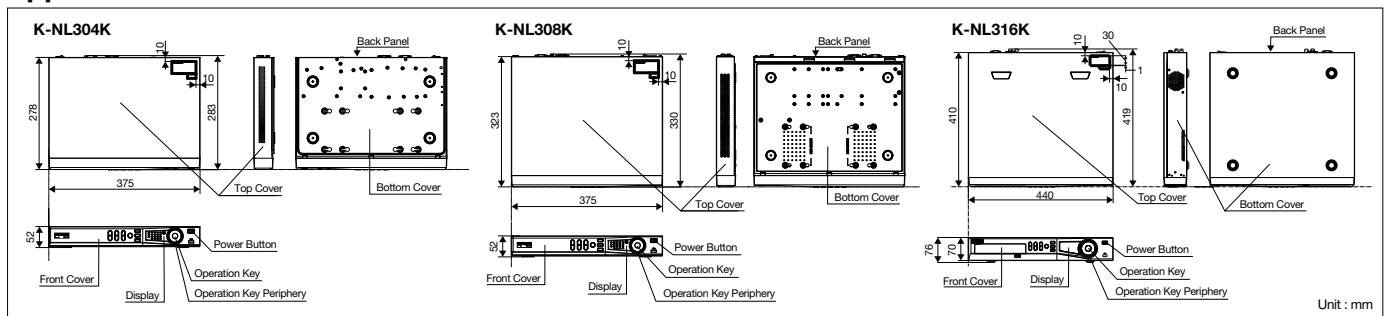
Model	K-NL304K	K-NL308K	K-NL316K
System			
Main Processor	Dual-core embedded processor		
Operating System	Embedded Linux®		
Language	English / Thai / Vietnamese		
Video / Audio			
IP Camera Input	4 channel (Only E-Series camera)	8 channel (Only E-Series camera)	16 channels (Only E-Series camera)
Audio	1channel Input (RCA), 1channel Output (RCA)		
Display			
Interface	1 HDMI, 1 VGA		1 HDMI, 1 VGA, 1 BNC
Resolution	1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768		
Display Split	1 / 4	1 / 4 / 8 / 9	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording		
Recording			
Compression	H.264 / MJPEG		
Resolution	3 Mp (2048 × 1536) / 1080p (1920 × 1080) / 720p (1280 × 720) / D1 (704 × 480) / VGA (640 × 480) / CIF (352 × 240) & etc.		
Maximum Bandwidth	Total 200 Mbps or less		
Bit Rate	48 - 8192 kbps * Suggested to set bit rate for E-Series camera to 4 Mbps or less		
Record Mode	Manual, Schedule (Regular (Continuous), VMD, Alarm), Stop		
Record Interval	Recording duration : 1 - 120 min (default : 60 min), Pre-record : 1 - 30 sec, Post-record : 10 - 300 sec		
Video Detection & Alarm			
Alarm Action	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer & Alarm pop-up		
Video Detection	Video Motion Detection, Camera Blank		
Alarm Input	4 channel	16 channel	
Relay Output	2 channel	4 channel	
Playback & Backup			
Sync Playback	1 / 4	1 / 4 / 8	1 / 4 / 8 / 16
Search Mode	Time/Date, Alarm, VMD & Exact search (accurate to second), Smart search		
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Backup selection, Digital zoom		
Backup Mode	USB Device / Network		USB Device / Network / eSATA Device
Network			
Ethernet	1 RJ45 port (10 / 100 / 1000 Mbps)		
PoE	4 ports (IEEE802.3at)	8 ports (IEEE802.3at)	16 ports (IEEE802.3at)
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP*, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search * Suggested to synchronize to external NTP server		
Max. User Access	128 users		
Smart Phone	iPhone, iPad, Android™		
Storage			
Internal HDD	2 SATA ports, up to 8 TB	4 SATA ports, up to 16 TB (External HDD : 1 eSATA port)	
External Interface			
USB	2 ports (1 Rear USB3.0, 1 Front USB2.0)		
General			
Safety / EMS Standard	<Safety> : CE, IEC60950-1 <EMC> : EN55022 Class B, EN55024		
Power Supply	DC12 V / 4 A (For main unit) DC48 V / 1.04 A (For PoE)	AC 100 to 240 V, 50/60 Hz (For main unit)	AC 100 V to 240 V, 50/60 HZ (For main unit)
Power Consumption	NVR : 30 W (without HDD) PoE : Max 25.5 W for single port		
Ambient Operating Temperature/ Humidity	-10°C to +55°C / 10% to 90%RH / 86~106 kpa		
Dimension (W × D × H)	375 mm (W) × 278 mm (D) × 52 mm (H)	375 mm (W) × 323 mm (D) × 52 mm (H)	440mm (W) × 410mm (D) × 70mm (H)
Weight	2.0 kg (without HDD)	2.5 kg (without HDD)	6 kg (without HDD)

- Auto Reboot (once a week)

- See support web page below for further details

<http://security.panasonic.com/pss/security/library/e-series.html>

Appearance



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- Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.

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- Android is a trademark of Google Inc.

Important

- Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product.

- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

• Masses and dimensions are approximate.

• Specifications are subject to change without notice.

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