



K-NL304K



K-NL308K



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

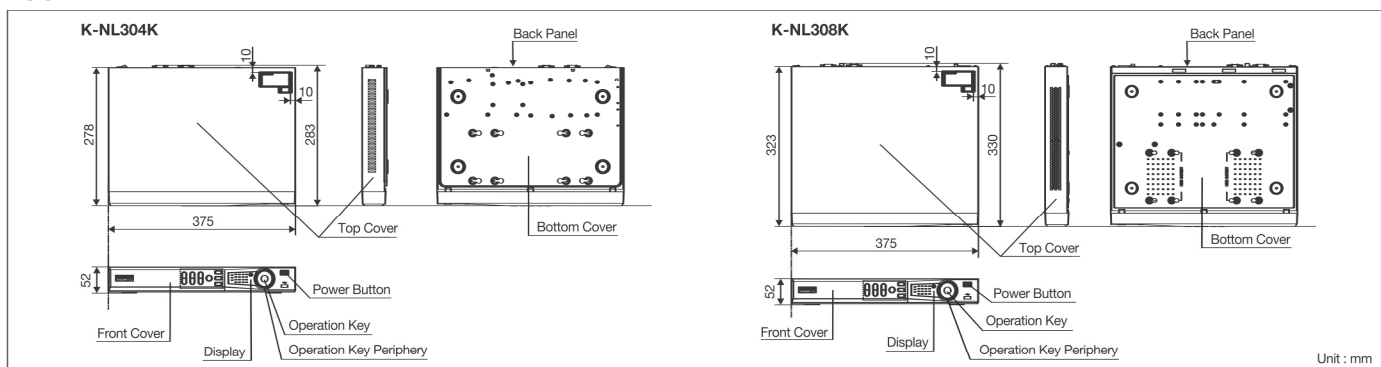
### Key Features

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

## Specifications

Model	K-NL304K	K-NL308K
<b>System</b>		
Main Processor	Dual-core embedded processor	
Operating System	Embedded Linux®	
<b>Video / Audio</b>		
IP Camera Input	4 channel	8 channel
Audio	1channel Input (RCA), 1channel Output (RCA)	
<b>Display</b>		
Interface	1 HDMI, 1 VGA	
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	
<b>Recording</b>		
Compression	H.264 / MJPEG	
Resolution	3Mp (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	
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	
<b>Video Detection &amp; Alarm</b>		
Alarm Action	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer & Alarm pop-up	
Video Detection	Video Motion Detection, Video Loss & Camera Blank	
Alarm Input	4 channel	
Relay Output	2 channel	
<b>Playback &amp; Backup</b>		
Sync Playback	1/4	1/4/8
Search Mode	Time/Date, Alarm, VMD & Exact search (accurate to second), Smart search	
Playback Function	Play, Pause, Stop, Rewind, Fast play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Backup selection, Digital zoom	
Backup Mode	USB Device / Network	
<b>Network</b>		
Ethernet	1 RJ45 port (10/100/1000 Mbps)	
PoE	4 ports (IEEE802.3at)	8 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	
Max. User Access	128 users	
Smart Phone	iPhone, iPad, Android™	
<b>Storage</b>		
Internal HDD	2 SATA ports, up to 8 TB	
<b>External Interface</b>		
USB	2 ports (1 Rear USB3.0, 1 Front USB2.0)	
RS232	1 port, For PC communication & Keyboard	
RS485	1 port, For PTZ control	
<b>General</b>		
Power Supply	DC12 V / 4 A (For main unit) DC48 V / 1.04 A (For PoE)	AC 100 ~ 240 V, 50/60 Hz (For main unit)
Power Consumption	NVR: 20 W(without HDD) PoE: Max 25.5 W for single port	NVR: 60 W(without HDD)
Ambient Operating Temperature/ Humidity	-10°C ~ +55°C / 10%~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)
Weight	2.0 kg(without HDD)	

## Appearance



### Trademarks and registered trademarks

- Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.
- iPad, iPhone and iPod touch are registered trademarks of Apple Inc.
- 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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