



## 4 ch 4 PoE (K-NL404K/G) / 8 ch 8 PoE (K-NL408K/G) / 16 ch 16 PoE (K-NL416K/G) Network Video Recorder

### Key Features

- H.264/H.265 dual codec decoding
- Max 200 Mbps (K-NL416K/G) / Max 80 Mbps (K-NL404K/G, K-NL408K/G) incoming bandwidth
- Up to 5 MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output
- 16 (K-NL416K/G) / 8 (K-NL408K/G) / 4 (K-NL404K/G) channel synchronous real time playback, GRID interface
- Support internal 4 SATA III (K-NL416K/G) / 1 SATA III (K-NL404K/G, K-NL408K/G) Ports, Up to 8 TB capacity for HDD
- 2 USB Ports (1 USB2.0 and 1USB3.0 at K-NL416K/G, 2 USB2.0 at K-NL404K/G and K-NL408K/G )
- Support IPC UPnP, 16 (K-NL416K/G) / 8 (K-NL408K/G) / 4 (K-NL404K/G) PoE ports
- Multiple network monitoring: Web viewer, EMS & Mobile-EMS

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

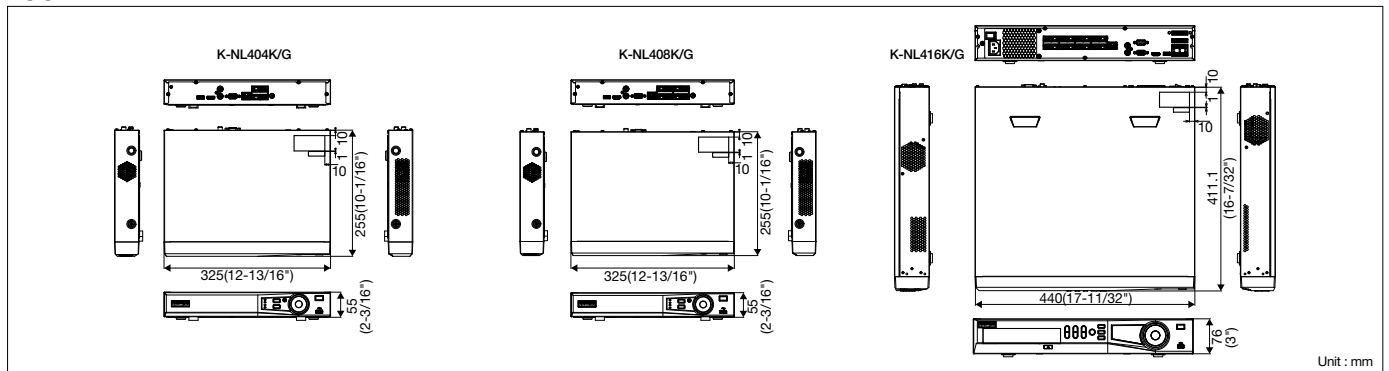
\*Panasonic Security Viewer is not supported

# Specifications

Model	K-NL404K/G	K-NL408K/G	K-NL416K/G
<b>Supported Camera</b>			
Compatible vendor	Only E-Series camera		
Supported Image Format	H.265 / H.264		
Supported Audio Format	G.711, G.711μ, G.726, PCM		
Supported Image Resolution	5 MP, 4 MP, 3 MP, 1080 P, 1.3 MP, 720 P, D1 etc.		
<b>Video / Audio</b>			
IP Camera Input	4 channels	8 channels	16 channels
Audio	1 Channel Input, 1 Channel Output, RCA		
<b>Display</b>			
Interface	1 HDMI (up to 3840×2160), 1 VGA		
Resolution	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768		
Display Split	1 / 4	1 / 4 / 8 / 9	1 / 4 / 8 / 9 / 16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording		
<b>Recording</b>			
Maximum Bandwidth	Total 80 Mbps or less		Total 200 Mbps or less
Bit Rate	16 Kbps - 20 Mbps Per Channel *Suggested to set bit rate for E-Series camera to 2 Mbps or less		
Record Mode	Manual, Schedule (Regular, MD(Motion Detection), 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>			
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips		
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering		
Alarm Input	-		16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	-		3 Channel, NO/NC Programmable, Green Terminal Interface
<b>Playback &amp; Backup</b>			
Sync Playback	1 / 4	1 / 4 / 8	1 / 4 / 8 / 16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)		
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom		
Backup Mode	USB Device / Network		
<b>Network</b>			
Network Interface	1 RJ45 Port (10/100 Mbps)		1 RJ45 Port (10/100/1000 Mbps)
Ethernet Port	1 Independent 100 Mbps Ethernet Port		1 Independent 1000 Mbps Ethernet Port
PoE	4 ports (IEEE802.3at/af) (4 Mbps is recommended per channel) Max 25.5 W for single port, 48 W in total	8 ports (IEEE802.3at/af) (4 Mbps is recommended per channel) Max 25.5 W for single port, 72 W in total	16 ports (IEEE802.3at/af) (4 Mbps is recommended per channel) Max 25.5 W for single port, 150 W in total
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP*, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Search *Suggested to synchronize to external NTP server		
Max. User Access	128 users		
Smart Phone	iPhone, iPad, Android™		
<b>Storage</b>			
Internal HDD	1 SATA III Port, Up to 8 TB capacity for each HDD		4 SATA III Port, Up to 8 TB capacity for each HDD
<b>External Interface</b>			
USB	2 USB Ports (2 USB2.0)		2 USB Ports (1 USB2.0, 1 USB3.0)
RS232	-		1 Port, for PC Communication and Keyboard
RS485	-		1 Port, for PTZ Control
<b>General</b>			
Safety	IEC60950-1, EN60950-1		
EMC	EN55032 ClassA, EN55024, EN50130-4, EN55035		
Power Supply	DC48 V/1.5 A	DC48 V/2 A	AC100 V to 240 V, 50 - 60 Hz, 4 A
Ambient Operating Temperature/ Humidity	0 °C to +45 °C ( 32 °F to 113 °F) / 10 to 90% RH / 86 to 106 kpa		0 °C to +55 °C ( 32 °F to 131 °F) / 10 to 90% RH / 86 to 106 kpa
Dimension (W × D × H)	325 mm (W) × 255 mm (D) × 55 mm (H) {12-13/16 inches (W) × 10-1/16 inches (D) × 2-3/16 inches (H)}		440 mm (W) × 411.1 mm (D) × 76 mm (H) {17-11/32 inches (W) × 16-7/32 inches (D) × 3 inches (H)}
Weight	1.0 kg(2.2 lb)(without HDD)		4.7 kg (10.4 lb) (without HDD)

- See support web page below for further details  
<https://security.panasonic.com/library/e-series/>

# Appearance



### Trademarks and registered trademarks

- iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
- Android is a trademark of Google LLC.

### 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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