

Easy Link Series

4/8/16 Channel Advanced 960H Digital Video Recorder with HDMI output
4/8 X 600 TVL High Resolution Cameras

*Your Security
Our Focus*



HD recording
resolution quality is
better than D1

960H

Output

**Full HD
1080P**



No network setup required! Easy link to internet via QR code!



Have you ever taken a lot of time to connect your DVR with your smartphone or tablet? Or have you ever read the user manual for the DVR but still couldn't understand how to connect it? Now, KGUARD provides you with the Easy Link Series to help connect you to your mobiles quickly. Just plug your cable to your router and connect your internet without any setup. Download KGUARD app and use the device to scan the QR code on your DVR. Once the scan is complete, you can use your device to watch live right away without limitation

(by DHCP mode)

Supports HDMI Output

Each 960H Series DVR is equipped with Full HD output which is displayed at 1080p standard, providing you with excellent HD videos and images on HDTV at home or at work.



960H Super resolution to provide you perfect quality images



KGUARD provides a new digital video recorder with 960H recording resolution. 960H recording resolution gives you HD quality videos and images with 600TVL cameras. Its resolution is 34% higher than standard D1 resolution and 500% higher than CIF resolution. You don't need to worry about the video or image becoming unclear or losing important information.



H.264 compression latest recording technology



Easy to set up network without difficult configuration



HD recording resolution quality is better than D1



Exclusive DVR to connect Cloud Service and you have a personal space



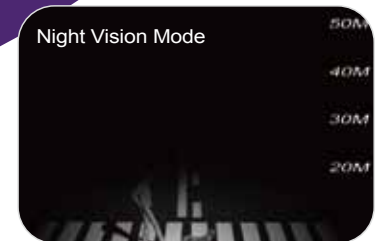
Full HD output with 1080P display standard for connection to HDTV



Free Kview series allows remote monitoring and control on your smartphones and tablets

Store images on the Cloud now

Traditional digital video recorder only can save images in its hard disk. Now, KGUARD combines with cloud service. You don't worry about important images being lost because you can upload your images to the cloud service easily and quickly and keep any important moments. It is very convenient to share special pictures with friends or social media.



KGUARD Fulcolor to provide excellent colorful images



Using 3.6mm fixed lens with 75 degrees viewing angle to monitor particular areas



600 TVL high resolution to make video clearer



Night vision up to 20m/65ft in total darkness



Waterproof case to protect the camera and survive rainy days

Free KView App Series for Remote Monitoring Anywhere

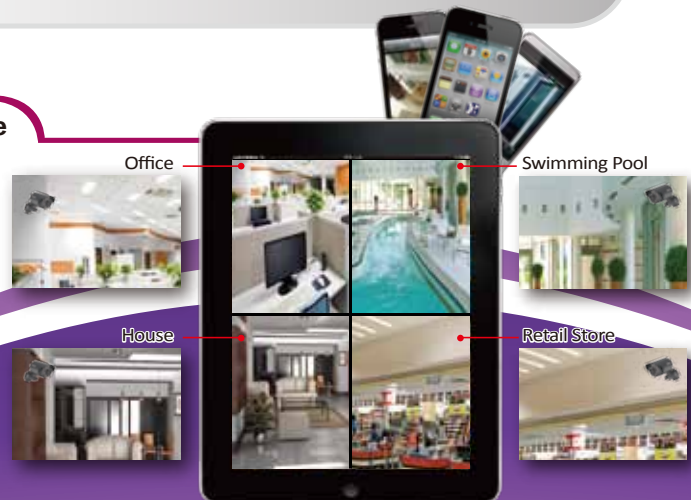
Available for mobile devices and PC computers can download this App to monitor your home, office, children, or pets on your mobile devices while you are traveling on business or on vacation



for
Smartphone
Tablet PC



for
Windows



DVR Specification

| Model No. | EL421 | EL821 | EL1621 |
|---------------------------------|---|---|---|
| No. of Channel | 4 Channels | 8 Channels | 16 Channels |
| Cloud | | | |
| Cloud Storage | Yes | Yes | Yes |
| Storage Mode | Schedule / Motion Detection | Schedule / Motion Detection | Schedule / Motion Detection |
| Video | | | |
| Video Format | NTSC / PAL | NTSC / PAL | NTSC / PAL |
| Video Input | 4 BNC Inputs | 8 BNC Inputs | 16 BNC Inputs |
| Video Output | 1 VGA, 1 BNC, 1 HDMI Outputs | 1 VGA, 1 BNC, 1 HDMI Outputs | 1 VGA, 1 BNC, 1 HDMI Outputs |
| Video Output Resolution | VGA: 800x600, 1024x768, 1280x1024, 1440x900, 1920x1080 HDMI: 1080p | VGA: 800x600, 1024x768, 1280x1024, 1440x900, 1920x1080 HDMI: 1080p | VGA: 800x600, 1024x768, 1280x1024, 1440x900, 1920x1080 HDMI: 1080p |
| Audio | | | |
| Audio Input | 2 RCA Inputs | 2 RCA Inputs | 4 RCA Inputs |
| Audio Output | 1 RCA Output | 1 RCA Output | 1 RCA Output |
| Recording | | | |
| Video Compression | H.264 | H.264 | H.264 |
| Recording Frame Rate | | | |
| D1-NTSC | 120fps@CIF (360×240), 120fps@HD1 (720x240), 120fps@D1 (720x480) | 240fps@CIF (360×240), 240fps@HD1 (720x240), 240fps@D1 (720x480) | 480fps@CIF (360×240), 240fps@HD1 (720x240), 240fps@D1 (720x480) |
| D1-PAL | 100fps@CIF (360×288), 100fps@HD1 (720x288), 100fps@D1 (720x576) | 200fps@CIF (360×288), 200fps@HD1 (720x288), 200fps@D1 (720x576) | 400fps@CIF (360×288), 192fps@HD1 (720x288), 192fps@D1 (720x576) |
| 960H-NTSC | 120fps@WCIF (480×240), 120fps@WHD1 (960×240), 120fps@WD1 (960×480) | 240fps@WCIF (480×240), 88fps@WHD1 (960×240), 88fps@WD1 (960×480) | 480fps@WCIF (480×240), 176fps@WHD1 (960×240), 176fps@WD1 (960×480) |
| 960H-PAL | 100fps@WCIF (480×288), 100fps@WHD1 (960×288), 100fps@WD1 (960×576) | 200fps@WCIF (480×288), 72fps@WHD1 (960×288), 72fps@WD1 (960×576) | 400fps@WCIF (480×288), 144fps@WHD1 (960×288), 144fps@WD1 (960×576) |
| Recording Mode | Always / Manual / Motion Detection / Schedule | Always / Manual / Motion Detection / Schedule | Always / Manual / Motion Detection / Schedule / Sensor / Alarm |
| HDD Interface | 1 SATA | 1 SATA | 1 SATA |
| HDD Support | Up to 2TB | Up to 2TB | Up to 2TB |
| Network | | | |
| Plug & Play | Yes | Yes | Yes |
| Network Interface | RJ45, 10M/100M | RJ45, 10M/100M | RJ45, 10M/100M |
| Network Type | DHCP, PPPoE, Static IP | DHCP, PPPoE, Static IP | DHCP, PPPoE, Static IP |
| Playback | | | |
| Local Playback | Max. 4 Channels Simultaneously | Max. 8 Channels Simultaneously | Max. 16 Channels Simultaneously |
| Playback Search | Date & Time / Event List / Time Bar | Date & Time / Event List / Time Bar | Date & Time / Event List / Time Bar |
| Playback Mode | Play, Fast Forward, Fast Rewind, Slow Motion, Zoom | Play, Fast Forward, Fast Rewind, Slow Motion, Zoom | Play, Fast Forward, Fast Rewind, Slow Motion, Zoom |
| General | | | |
| PTZ Control | RS485 Built-In, supports PELCO-P & PELCO-D | RS485 Built-In, supports PELCO-P & PELCO-D | RS485 Built-In, supports PELCO-P & PELCO-D |
| Sensor & Alarm I/O Port | No | No | Yes |
| IR Extender Port | No | No | Yes |
| Backup Method | HDD, USB, Network | HDD, USB, Network | HDD, USB, Network |
| Power Supply | 12V/2A | 12V/2A | 12V/5A |
| Operating Temperature (W/O HDD) | -10°C to 50°C (14°F to 122°F) | -10°C to 50°C (14°F to 122°F) | -10°C to 50°C (14°F to 122°F) |
| Storage Temperature | -20°C to 70°C (-4°F to 158°F) | -20°C to 70°C (-4°F to 158°F) | -20°C to 70°C (-4°F to 158°F) |
| Working Humidity | 10%~90% | 10%~90% | 10%~90% |
| Dimension (LxWxH) in mm | 250x230x45 | 250x230x45 | 300x220x50 |

Camera Specification

Video

| | |
|------------------------|---|
| Image Sensor | KGUARD Fulcolor |
| Horizontal Resolution | 600 TVL |
| Electronics Shutter | NTSC 1/60-1/100,000(sec) PAL 1/50-1/100,000(sec) |
| Lens | 3.6mm Fixed |
| Viewing Angle | 75 Degrees |
| Video Output | 1.0VP-P, 75Ω |
| S/N Ratio | More than 48dB (AGC OFF) |
| Day / Night Mode | Color during day switches to B&W at night |
| Minimum Illumination | While Infrared LED on "0" lux |
| Gain Control | Auto |
| Backlight Compensation | Auto |

Night Vision

| | |
|-----------------------|---------------------|
| Night Vision Distance | 20m / 65ft |
| Illumination | Mini Infrared Array |
| Infra-Red Wavelength | 850nm |
| Infra-Red LED Life | 10,000hrs |

General

| | |
|----------------------------|---------------------|
| Indoor / Outdoor | Weatherproof (Both) |
| Operating Temperature | -10~50°C / 14~122°F |
| Storage Temperature | -20~70°C / -4~158°F |
| Body Construction | Aluminum |
| Dimensions | 68x58x153mm |
| Camera with Stand (WxDxH) | |
| Weight - Camera with Stand | 240g / 0.53lbs |

Model Options:

 **EL421-4HW212B**



 **EL821-4HW212B**



 **EL821-8HW212B**



 **EL1621-8HW212B**



What's in the box?



Standalone
DVR



Camera



Remote Control



USB Mouse



Software CD



Slim Cable
(18m / 60ft)



4 Way
Split Cable



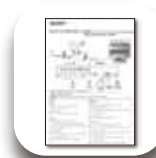
Power Adapter
(12V)



HDMI Cable



Ethernet Cable



Quick
Installation Guide



Warranty Card



"Your security, our focus"
All products come with a
one-year warranty for our
customers.

We have our experienced
technical support team to answer
any questions for more information, please visit
kGUARD's website: www.kguardsecurity.com



Authorized KGUARD Security Distributor

KGUARD INFORMATION CO., LTD. (Headquarters)

Address: 4F, No.113, Jian 2nd Rd., Jhonghe Dist., New Taipei City 23585 ,Taiwan (R.O.C.)

TEL: +886-2-8228-6080

FAX: +886-2-8221-6857

Technical Support: support@kguardsecurity.com

Sales Inquiry: sales@kguardsecurity.com

Copyright © 2013 KGUARD INFORMATION CO., LTD. All Rights Reserved. KGUARD Security is trademark of KGUARD INFORMATION CO., LTD.
Product features & specifications are subject to change without notice