# KGUARD® SECURITY

# Aurora Series

*Your Security Our Focus*

**960H Digital Video Recorder**
**800TVL(5MP Sensor) Auto Tracking Camera**
**700TVL High Resolution Camera**

*Push Notification*

Auto Tracking Camera

*QR code for* **Scan and View**

*Compatible with* **Dropbox**

*Front Panel Touch Technology*

*Login* **My KGUARD**
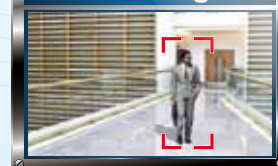
# 800 TVL Auto Tracking Camera

**800 TVL** super high resolution, **WDR** function, and up to **30m/100ft** night vision in total darkness with intelligent auto tracking to allow you to focus on important people and objects. The camera can automatically detect moving objects in its field of view and focus on that part of the picture to make it become larger and clearer.

With WDR

Without WDR

standard

intelligent auto tracking

# No network setup required
## Easy connection to the internet via QR code

Only 3 simple steps to setup. Just plug the DVR into the internet, download the KViewQR app and use the device to scan the QR code on your DVR. Once the scan is complete, you can use your device right away.

**1** Plug to network

**2** Scan via QR code

**3** View from internet

# Push Notification for your Smartphone and Tablet

The DVR supports push notification for your smartphone and tablet. Using motion technology to focus on important areas. If any moving object enters this area, your smartphone or tablet will activate push alarm to let you know that something happened.

KView QR **1**

Motion Detection

# Store Images on "Dropbox"

Traditional digital video recorders can only save images in their hard disks. Now KGUARD supports cloud service with Dropbox. This cloud storage allows users to have access to images at any time from anywhere making it easy to monitor and share in seconds. These images will be stored safely even if the DVR is stolen or damaged.

Cloud

## mykguard.com

My
KGUARD

We created mykguard.com to help users easy access from the Internet to monitor their home or business

## Full HD Solution

Output
Full HD
1080P

960H
Recording Resolution

960H  960H
960H  960H

## KViewQR app

support free KViewQR app
on iOS and Android system

Anywhere Anytime

view
QR

for Android / iOS

## Front Panel Touch

## HZ213A

**(The auto tracking camera)**

**800 TVL** super high resolution and 30m/100ft night vision in total darkness with intelligent auto tracking to allow you to focus on important people and objects

Digital wide dynamic range to eliminate shadows

The cameras have waterproof casings that are weather resistant for most areas

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


**800TVL**

## HW307E

**700 TVL** high resolution and 20m/65ft night vision in total darkness for clearer video

The cameras have waterproof casings that are weather resistant for most areas

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


**700TVL**

# DVR Specification

| Model No. | AR421 | AR821 | AR1621 |
|---|---|---|---|
| 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 | | |
| Video Output Resolution | 1024x768, 1280x1024, 1366x768, 1440x900, 720p, 1080p | 1024x768, 1280x1024, 1366x768, 1440x900, 720p, 1080p | 1024x768, 1280x1024, 1366x768, 1440x900, 720p, 1080p |
| **Audio** | | | |
| Audio Input | 4 RCA Inputs | 8 RCA Inputs | 2 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 (352×240), 120fps@HD1 (704x240), 120fps@D1 (704x480) | 240fps@CIF (360×240), 240fps@HD1 (720x240), 240fps@D1 (720x480) | 480fps@CIF (360×240), 240fps@HD1 (720x240), 240fps@D1 (720x480) |
| D1-PAL | 100fps@CIF (352×288), 100fps@HD1 (704x288), 100fps@D1 (704x576) | 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 / Alarm | Always / Manual / Motion Detection / Schedule / Alarm | Always / Manual / Motion Detection / Schedule / 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 | Time / Channel / Event | Time / Channel / Event | Time / Channel / Event |
| 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 |
| E-SATA Port | No | No | Yes |
| Sensor IN & Alarm OUT Port | 4-IN, 1-OUT | 8-IN, 1-OUT | 4-IN, 1-OUT |
| Backup Method | HDD, USB, Network | HDD, USB, Network | HDD, USB, Network |
| Power Supply | 12V/2A | 12V/2A | 12V/2A |
| Operating Temperature (W/O HDD) | -10℃ to 55℃ (14°F to 131°F ) | -10℃ to 55℃ (14°F to 131°F ) | -10℃ to 55℃ (14°F to 131°F ) |
| Storage Temperature | -20℃ to 70℃ ( -4°F to 158°F ) | -20℃ to 70℃ ( -4°F to 158°F ) | -20℃ to 70℃ ( -4°F to 158°F ) |
| Working Humidity | 10%~90% | 10%~90% | 10%~90% |
| Dimension (LxWxH) in mm | 315x230x40 | 315x230x40 | 315x230x40 |

# Camera Specification

| Model Name | HZ213A |
| --- | --- |
| Video | |
| Image Sensor | 5M Pixels High Quality CMOS Image Sensor |
| Horizontal Resolution | 800TVL |
| Electronics Shutter | NTSC 1/60-1/100,000(sec) |
| | PAL 1/50-1/100,000(sec) |
| Lens | 3.6mm Megapixel Fixed |
| Viewing Angle | 75 Degrees to 25 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 | 30m / 98ft |
| Illumination | Infrared LED |
| Infra-Red Wavelength | 850nm |
| Infra-Red LED Life | 10,000hrs |
| **General** | |
| WDR | Smart WDR |
| Auto Tracking | Yes |
| Indoor / Outdoor | Weatherproof (Both) |
| Operating Temperature | -10~50°C / 14~122°F |
| Storage Temperature | -20~70°C / -4~158°F |
| Body Construction | Aluminum |
| Dimensions-<br>Camera with Stand (WxDxH) | 72x63x167.5mm |
| Weight-Camera with Stand | 350g |

| Model Name | HW307E |
| --- | --- |
| Video | |
| Image Sensor | 1/3" SHARP Color CCD |
| Horizontal Resolution | 700TVL |
| Electronics Shutter | NTSC 1/60-1/120,000(sec) |
| | PAL 1/50-1/120,000(sec) |
| Lens | 3.6mm |
| Viewing Angle | 75 Degrees |
| Video Output | 1.0VP-P, 75Ω |
| S/N Ratio | More than 52dB（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 | Infrared LED |
| 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-<br>Camera with Stand (WxDxH) | 164x58x58mm |
| Weight-Camera with Stand | 235g |

# Model Options:

✓ **AR421-HZ213A+3HW307E**

✓ **AR821-HZ213A+3HW307E**

✓ **AR821-2HZ213A+6HW307E**

✓ **AR1621-2HZ213A+6HW307E**

# 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 |

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