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 (704×240), 120fps@D1 (704×480)	240fps@CIF (360×240), 240fps@HD1 (720×240), 240fps@D1 (720×480)	480fps@CIF (360×240), 240fps@HD1 (720×240), 240fps@D1 (720×480)
D1-PAL	100fps@CIF (352×288), 100fps@HD1 (704×288), 100fps@D1 (704×576)	200fps@CIF (360×288), 200fps@HD1 (720×288), 200fps@D1 (720×576)	400fps@CIF (360×288), 192fps@HD1 (720×288), 192fps@D1 (720×576)
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

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※ Specification is subject to changes without prior notice.

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℃ / 14~122°F
Storage Temperature	-20~70℃ / -4~158°F
Body Construction	Aluminum
Dimensions- 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℃ / 14~122°F
Storage Temperature	-20~70℃ / -4~158°F
Body Construction	Aluminum
Dimensions- Camera with Stand (WxDxH)	164x58x58mm
Weight-Camera with Stand	235g

Model Options:

✅ AR421-HZ213A+3HW307E

✅ AR821-HZ213A+3HW307E

✅ AR821-2HZ213A+6HW307E
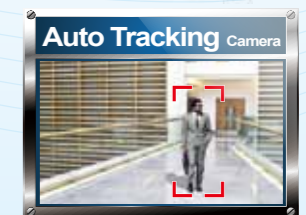
✅ AR1621-2HZ213A+6HW307E

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

KGUARD SECURITY

Your Security Our Focus

Aurora Series

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.

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

KViewQR app

support free KViewQR app on iOS and Android system

Anywhere Anytime

KView **QR**

for **Android / iOS**

Full HD Solution

Output
Full HD 1080P

960H
960H
960H
960H

960H
Recording Resolution

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
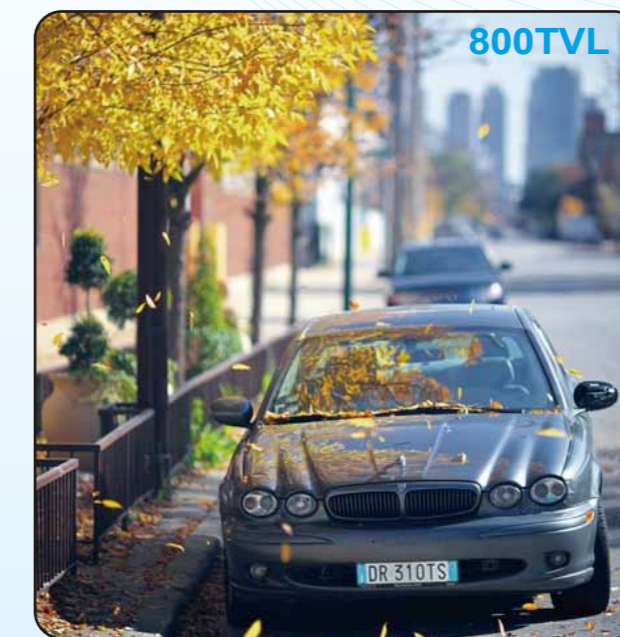
800 TVL

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

DR 310TS

HW307E

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

700 TVL

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

DR 310TS