1080P AHD IR Varifocal Lens Cameras

HEL2R2 CCTV Camera (Dome)
HBL2R2 CCTV Camera (Bullet)

About Honeywell Performance AHD

The Honeywell Performance AHD series is designed for small-to-medium scale surveillance applications at a very cost-effective price.

Honeywell's latest product offering includes four types of 1080P HD Analog IR Fixed/Vari-focus eyeball and bullet cameras, and three types of 4/8/16 channel DVR with the no latency 1080P live view.

Featuring advanced Analog High Definition (AHD) video technology, the Performance AHD series HBL2R2 and HEL2R2 are HD analog camera which provide 1080P (1920 X 1080) sharp, high definition images.

The AHD technology ensures real-time and non-compressed signal transmission via coaxial cable, which significantly reduces installation cost and provides much sharper images without video quality loss.

Market opportunities

- The HEL2R2/HBL2R2 cameras are cost effective surveillance solutions suitable for various applications, including schools, colleges, hotels, hospitals, commercial sites, retail stores, warehouses, banks among others.
- Featuring 2.8-12 mm built-in lens, 1080P resolution, TDN function and IR night vision.
- Ideal for easy and cost-effective upgrade of existing analog systems to high definition surveillance.

FEATURES

- 1080p real time live view
- 1/2.7" CMOS progressive scan

- Minimum illumination: 0 Lux (IR on)
- TDN (IR-Cut), AGC, DWDR

- 2.8-12mm Lens
- IR Distance: 30m Dome camera, 40m Bullet camera

- Power:12VDC

- Output: AHD/CVBS

HEL2R2 and HBL2R2 Product features

MODEL	HEL2R2	HBL2R2
SYSTEM		
VIDEO STANDARD	PAL/NTSC	
SCANNING SYTEM	Progressive	
IMAGE SENSOR	1/2.7" 2Megapixel CMOS	
RESOLUTION	1080P	
NUMBER OF PIXELS	1920(H)×1080(V)	
MINIMUM ILLUMINATION	0.01lux@F1.2, 0 Lux IR on	
VIDEO OUTPUT	AHD, CVBS	
VIDEO FRAME RATE	25 / 30 fps	
SYNC SYSTEM	Internal	
AUTOMATIC ELECTRONIC SHUTTER	1/25 ~ 1/50000	
LENS		
FOCAL LENGTH	2.8 - 12 mm	
ANGLE OF VIEW	H: 102°34	
LENS TYPE	Manual	
CAMERA FEATURES		
IR LED'S	24 PCS	30 PCS
IR ILLUMINATION DISTANCE	30m	40m
SNR	More than 50dB	
DAY/NIGHT	Auto	
AUTOMATIC GAIN CONTROL	Auto	
WHITE BALANCE	Manual	
DIGITAL NOISE REDUCTION	3DNR	
WDR	DWDR	
OSD	Yes	
ELECTRICAL		
INPUT VOLTAGE	DC12V±10%, 700mA	
POWER CONSUMPTION	Max 7W	
MECHANICAL		
DIMENSIONS	250(W)x90(H)x90(D)mm	¢131 x 93(H) mm
WEIGHT	1.4Kg	0.8Kg
DIMENSIONS(W×D×H)	METAL	
CONSTRUCTION		
OPERATING TEMPERATURE	-10ºC to +50ºC	
RELATIVE HUMIDITY	10% to 95%, non-condensing	
IP RATING	IP 66	
REGULATORY		
CERTIFICATION	CE, FCC	
SYSTEM COMPATIBILITY		
COMPATIBLE DVR	HRLT1040 / 1080 / 1160	

Accessories

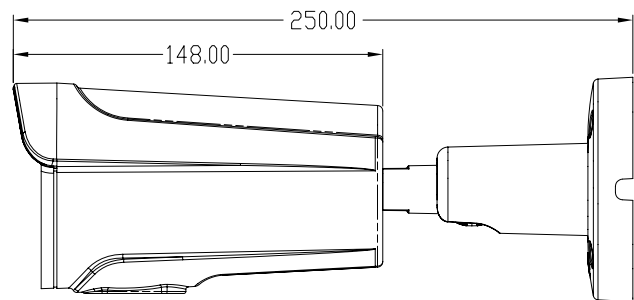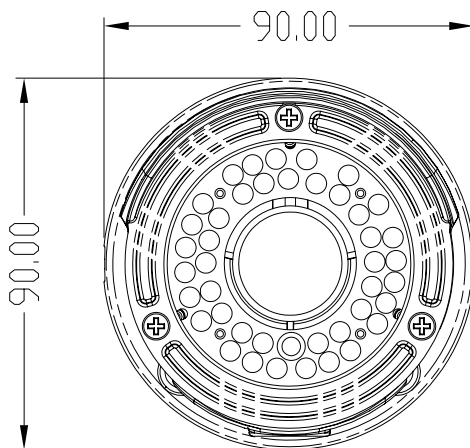| NAME	HEL2R2	HBL2R2
CAMERA	1	1
USER GUIDE	1	1

Note: Honeywell reserves the right, without notification, to make changes in product design and/or specifications.

HEL2R2 and HBL2R2 Dimensions

HEL2R2
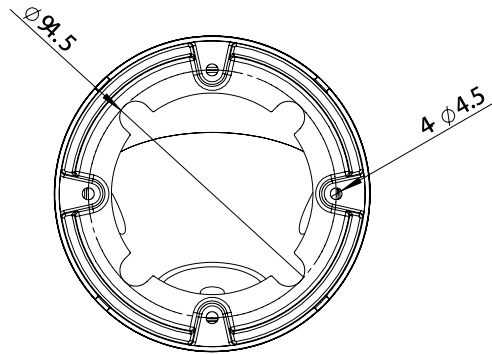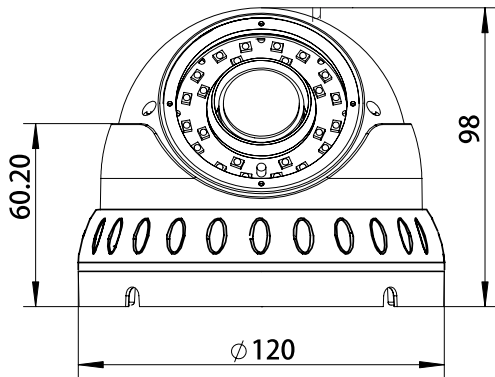
HBL2R2

ORDERING INFORMATION

HEL2R2	1/2.7" CMOS sensor, 1080p AHD, TDN, DNR, DWDR, 24 LED, 2.8-12mm, IR Dome Camera, 12VDC with OSD, PAL/NTSC
HBL2R2	1/2.7" CMOS sensor, 1080p AHD, TDN, DNR, DWDR, 30 LED, 2.8-12mm, IR Bullet Camera, 12VDC with OSD, PAL/NTSC

1080P AHD IR Fixed Lens Cameras

HEL2R1 CCTV Camera (Dome)
HBL2R1 CCTV Camera (Bullet)

About Honeywell Performance AHD

The Honeywell Performance AHD series is designed for small-to-medium scale surveillance applications at a very cost-effective price. Honeywell's latest product offering includes four types of 1080P HD Analog IR Fixed/Vari-focus eyeball and bullet cameras, and three types of 4/8/16 channel DVR with the no latency 1080P live view.

Featuring advanced Analog High Definition (AHD) video technology, the Performance AHD series HBL2R1 and HEL2R1 are HD analog cameras which provide 1080P (1920X1280) sharp, high definition images. The AHD technology ensures real-time and non compressed signal transmission via coaxial cable, which significantly reduces installation cost and provides much sharper images without video quality loss.

Market opportunities

- The HEL2R1/HBL2R1 cameras are cost effective surveillance solutions suitable for various applications, including schools, colleges, hotels, hospitals, commercial sites, retail stores, warehouses, banks among others.
- Features 3.6mm built-in lens, 1080P resolution, TDN function and IR night vision.
- Ideal for easy and cost-effective upgrade of existing analog systems to high definition surveillance.

FEATURES

- 1080p real time live view
- 1/2.7" CMOS progressive scan
- Minimum illumination: 0 Lux (IR on)
- TDN (IR-Cut), AGC, DWDR
- 3.6mm Lens
- IR distance: Upto 20 meters
- Power:12VDC
- Output: AHD/CVBS

HEL2R1 and HBL2R1 Product features

MODEL	HEL2R1	HBL2R1
SYSTEM		
VIDEO STANDARD	PAL/NTSC	
SCANNING SYTEM	Progressive	
IMAGE SENSOR	1/2.7" 2Megapixel CMOS	
RESOLUTION	1080P	
NUMBER OF PIXELS	1920(H)×1080(V)	
MINIMUM ILLUMINATION	0.01lux@F1.2, 0 Lux IR on	
VIDEO OUTPUT	AHD, CVBS	
VIDEO FRAME RATE	25 / 30 fps	
SYNC SYSTEM	Internal	
AUTOMATIC ELECTRONIC SHUTTER	1/25 ~ 1/50000	
LENS		
FOCAL LENGTH	3.6 mm	
ANGLE OF VIEW	H: 80.6°	
LENS TYPE	Fixed	
CAMERA FEATURES		
IR LED'S	18 PCS	
IR ILLUMINATION DISTANCE	20m	
SNR	More than 50dB	
DAY/NIGHT	Auto	
AUTOMATIC GAIN CONTROL	Auto	
WHITE BALANCE	Manual	
DIGITAL NOISE REDUCTION	3DNR	
WDR	DWDR	
OSD	Yes	
ELECTRICAL		
INPUT VOLTAGE	DC12V±10%, 500mA	
POWER CONSUMPTION	Max 6W	
MECHANICAL		
DIMENSIONS	151(W) x 64(H) x 65.5(D)mm	¢94.5 x 76(H) mm
WEIGHT	0.7kg	0.45Kg
DIMENSIONS(W×D×H)	METAL	
CONSTRUCTION		
OPERATING TEMPERATURE	-10ºC to +50ºC	
RELATIVE HUMIDITY	10% to 95%, non-condensing	
IP RATING	IP 66	
REGULATORY		
CERTIFICATION	CE, FCC	
SYSTEM COMPATIBILITY		
COMPATIBLE DVR	HRLT1040 / 1080 / 1160	

Accessories

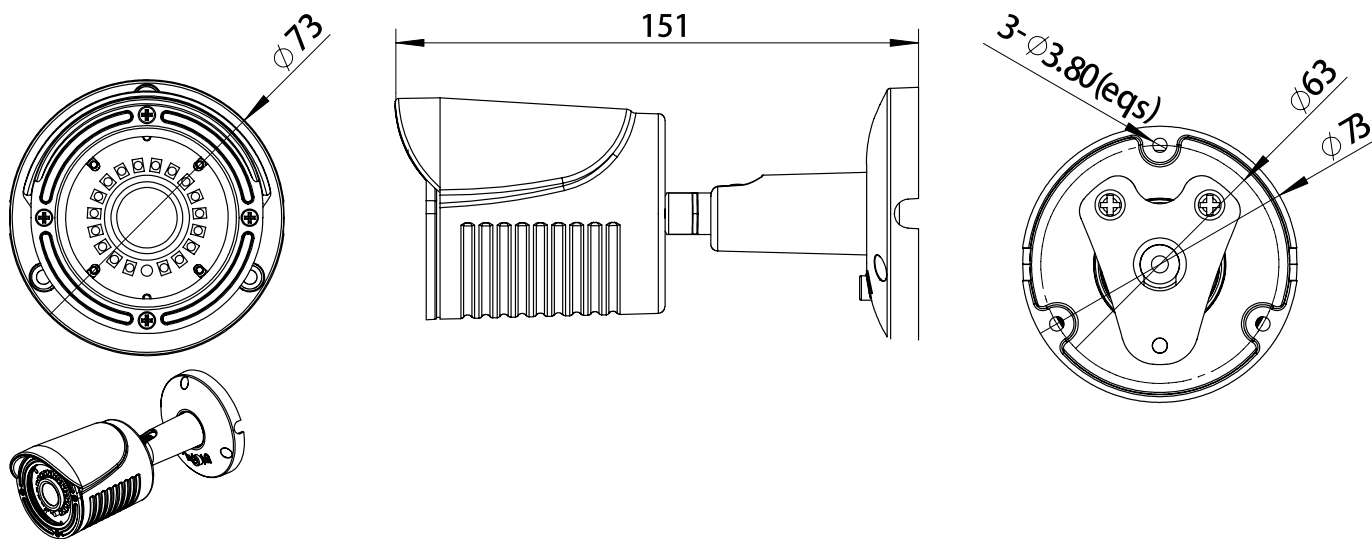| NAME	HEL2R2	HBL2R2
CAMERA	1	1
USER GUIDE	1	1

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HEL2R1 and HBL2R1 Dimensions

HEL2R1
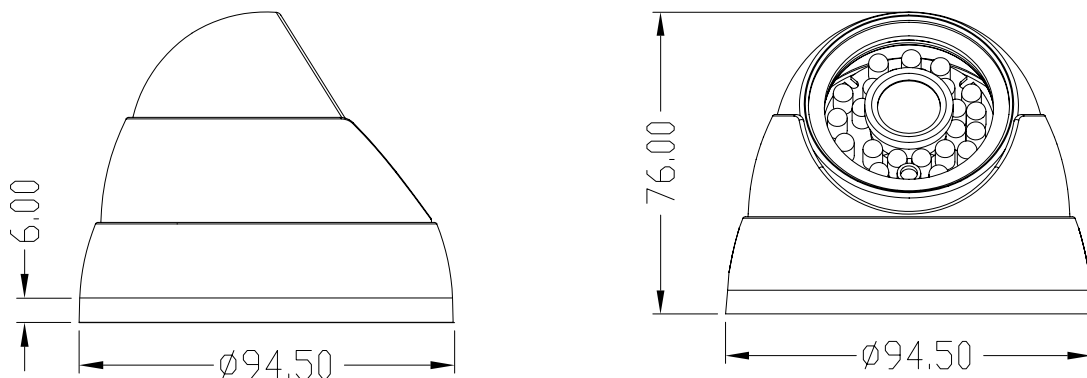
HBL2R1

ORDERING INFORMATION

HEL2R1	1/2.7" CMOS sensor, 1080p AHD, TDN, DNR, DWDR, 18 LED, 3.6mm, IR Dome Camera, 12VDC with OSD, PAL/NTSC
HBL2R1	1/2.7" CMOS sensor, 1080p AHD, TDN, DNR, DWDR, 18 LED, 3.6mm, IR Bullet Camera, 12VDC with OSD, PAL/NTSC

CADVR-1004FD / -08FD

1 SATA 4/8 Channel 1080P AHD Digital Video Recorder

The Honeywell Black™ CADVR-1004FD/08FD is an easy-to-use 1080P 1U digital video recorder series available in 4 and 8 channels. By deploying H.264 video compression, compatibility with AHD analog cameras, 750TVL (or less than 750TVL resolution), and Honeywell Black™ CALIP series IP cameras, this DVR delivers outstanding video performance for hybrid application of analog and network surveillance.

The user-friendly operation interface with button panel allows users to live view, record, playback, back up and remotely control the system simultaneously. With 1 SATA slot, the maximum storage capacity is up to 6TB.

The CADVR-1004FD/08FD is easy to configure and can be operated through smart phone and internet explorer. The CALNVRView mobile APP allows a quick remote access and control to CADVR-1004FD/ 08FD via your mobile phone. Free DDNS server service is available to support remote control of the DVR. The CADVR-1004FD/08FD also comes with a free CMS software CAL-CMS200 which provides rich functions such as video management, user management, storage, video output, etc.

Market Opportunities

The CADVR-1004FD/08FD series is an ideal solution for high definition surveillance. With 1080P high resolution recording, compatibility with AHD analog cameras, 750TVL (or less than 750TVL resolution), and Honeywell Black™ CALIP series IP cameras, this easy-to-configure and easy-to-operate DVR series is ideal for small to medium scale surveillance installations such as in retail stores, dispensaries, clinics, offices hotels and so on.

FEATURES

- 1080P high resolution recording
- Button-panel interface for easy operation
- Multiplex recording schedule options: manual, alarm, motion detection, timing

- Multiplex operation: live view, record, play back, backup and remotely control the system simultaneously
- HDMI and VGA output simultaneously at up to1080P resolution

- H.264 High profile decoding
- 1 SATA HDD interface: maximum 6TB storage capacity
- ONVIF 2.0 compliant
- Support remote control through DDNS service by free of charge

- On-line user view: maximum 6 users simultaneously
- CALNVRView: free Android and Apple app for remote playback, record and snapshot through mobile phone

- Multiple network monitoring: CAL-CMS200 (for PC), CALNVRView (for mobile app), IE Web browser
- Power: DC12V

CADVR-1004FD / -08FD

1 SATA 4/8 Channel 1080P AHD Digital Video Recorder

SPECIFICATIONS

Model	CADVR-1004FD	CADVR-1008FD
SYSTEM		
MAIN PROCESSOR	Huawei Hi 3520DV300	Huawei Hi 3521A
VIDEO		
VIDEO COMPRESSION	H.264	H.264
ENCODE	4 channels 1080P@15fps	8 channels 1080P@12fps
DECODE	4 channels 1080P@15fps	4 channels 1080P@12fps
MULTI-MODE INPUT	Pure Analog: 4 channels 1080P, 4 channels 1080N; Mixed: 2 channels 1080P (Analog) + 2 channels 1080P (Network) Network: 8 channels 1080P , 8 channels 960P; 4 channels 3M	Pure Analog: 8 channels 1080P, 8 channels 1080N; Mixed: 4 channels 1080P (Analog) + 4 channels 1080P (Network) Network: 8 channels 1080P , 16 channels 960P; 4 channels 3M , 4 channels 5M
AUDIO		
AUDIO COMPRESSION	G.711A	G.711A
INTERCOM	Support	Support
RECORDING AND PLAYBACK		
RECORD MODE	Manual>alarm>motion detection>timing	Manual>alarm>motion detection>timing
PLAYBACK CHANNELS	4 channels 1080P@15fps	4 channels 1080P@12fps
STORAGE AND BACKUP		
SPACE OCCUPATION	960H: 12~20G / day / channel 720P: 20G~30G/ day / channel 1080P:40G~45G / day / channel audio: 691.2M / day / channel	960H: 12~20G / day / channel 720P: 20G~30G/ day / channel 1080P:40G~45G / day / channel audio: 691.2M / day / channel
BACKUP MODE	Network backup, USB HDD, USB writer, SATA writer	Network backup, USB HDD, USB writer, SATA writer
INTERFACE		
VIDEO INPUT	4 BNC	8 BNC
VIDEO OUTPUT	1 channel VGA, 1 channel HDMI	1 channel VGA, 1 channel HDMI
AUDIO INPUT	4 channels RCA	4 channels RCA
AUDIO OUTPUT	1 channel RCA	1 channel RCA
ALARM INPUT	/	/
ALARM OUTPUT	/	/
NETWORK INTERFACE	RJ45 10M/100M Adaptive Ethernet port	RJ45 10M/100M Adaptive Ethernet port
PTZ CONTROL	One RS485, one RS232; support multiple PTZ protocols	One RS485, one RS232; support multiple PTZ protocols
USB	2 USB Ports	2 USB Ports
HARD DISK	1 SATA (Each maximum support 6T)	1 SATA (Each maximum support 6T)
WIRELESS	3G, WIFI (expand via USB)	3G, WIFI (expand via USB)
OTHER		
POWER	12V/2A	12V/2A
DIMENSION	255 (D) x 236 (W) x 44 (H) mm	255 (D) x 236 (W) x 44 (H) mm

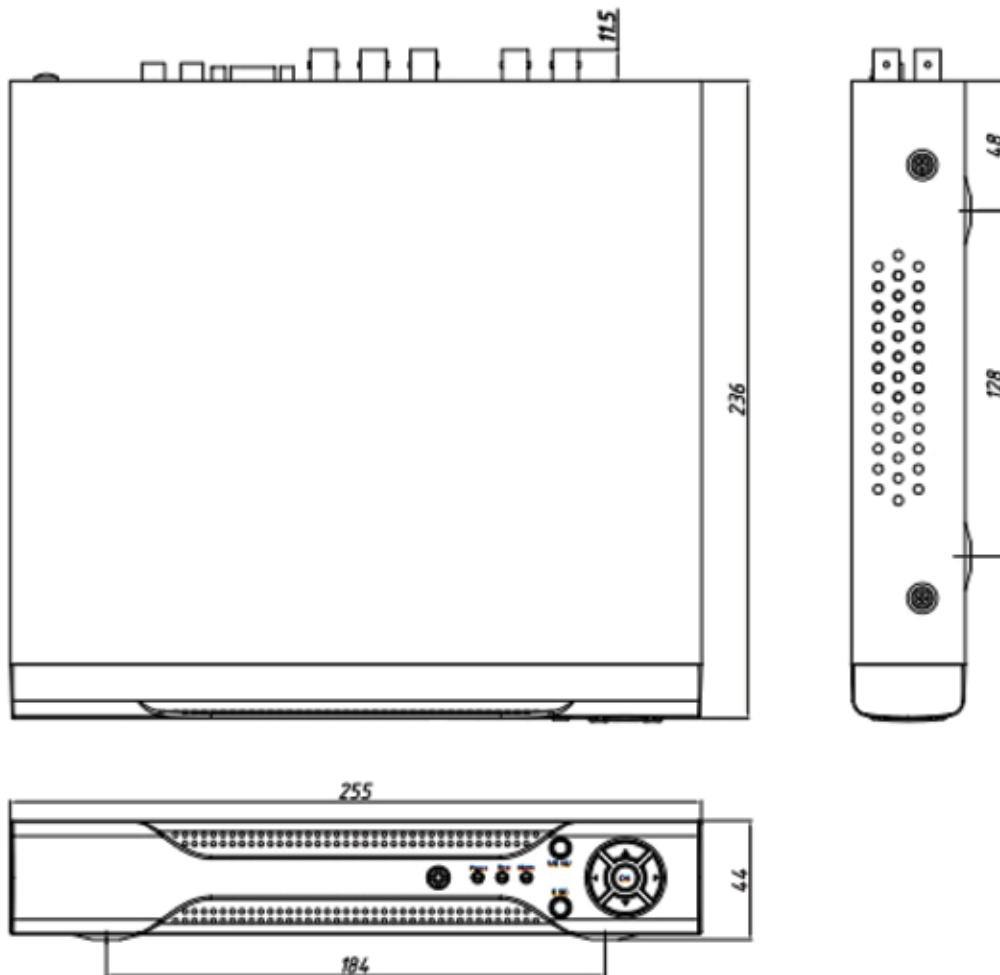*Note:* *Honeywell reserves the right, without notification, to make changes in product design or specifications*

CADVR-1004FD / -08FD

1 SATA 4/8 Channel 1080P AHD Digital Video Recorder

PACKAGE

ITEM	NAME	QTY
1	1 SATA 4-/8- Channel 1080P AHD Digital Video Recorder	1
2	USB Mouse	1
3	User Manual	1
4	Power Adapter	1
5	Power cable	1
6	Install screws	8
7	Pad	4
8	RS232 interface	1
9	Certificate	1
10	CD	1

DIMENSIONS

CADVR-2016FD

2 SATA 16 Channel 1080P AHD Digital Video
Recorder

The Honeywell Black™ CADVR-2016FD is an easy-to-use 1U
digital video recorder. By deploying H.264 video compression, compatibility
with AHD analog cameras, 750TVL (or less than 750TVL resolution), and
Honeywell Black™ CALIP series IP cameras, this DVR delivers outstanding
video performance for hybrid application of analog and network surveillance.

The user-friendly operation interface with button panel allows users
to live view, record, playback, back up and remotely control the system
simultaneously. With 2 SATA slot, the maximum storage capacity is up to
12TB.

The CADVR-2016FD is easy to configure and can be operated through smart
phone and internet explorer. The CALNVRView mobile APP allows a quick remote
access and control to CADVR-2016FD via your mobile phone. Free DDNS server
service is available to support remote control of the DVR. The CADVR-2016FD
also comes with a free CMS software CAL-CMS200 which provides rich functions
such as video management, user management, storage, video output, etc.

Market Opportunities

The CADVR-2016FD series is an ideal solution for high definition surveillance.
With 1080P high resolution recording, compatibility with AHD analog
cameras, 750TVL (or less than 750TVL resolution), and Honeywell Black™
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FEATURES

- 1080P high resolution recording
- Button-panel interface for easy operation
- Multiplex recording schedule options: manual, alarm, motion detection, timing

- Multiplex operation: live view, record, play back, backup and remotely control the system simultaneously
- HDMI and VGA output simultaneously at up to1080P resolution

- H.264 High profile decoding
- 2 SATA HDD interface: maximum 6TB storage capacity
- ONVIF 2.0 compliant
- Support remote control through DDNS service by free of charge

- On-line user view: maximum 6 users simultaneously
- CALNVRView: free Android and Apple app for remote playback, record and snapshot through mobile phone

- Multiple network moni-toring: CAL-CMS200 (for PC), CALNVRView (for mobile app), IE Web browser

CADVR-2016FD

2 SATA 16 Channel 1080P AHD Digital Video
Recorder

SPECIFICATIONS

Model	CADVR-2016FD
SYSTEM	
MAIN PROCESSOR	Hi3531A
VIDEO	
VIDEO COMPRESSION	H.264
ENCODE	16 channels 1080P @12fps
DECODE	16 channels 1080P @12fps
MULTI-MODE INPUT	Pure Analog: 16 channels 1080P; 16 channels1080N; Mixed: 8 channels 1080P (Analog) + 8 channels 1080P (Network); Pure Network: 8 channels 1080P+ 8 channels 960P, 8 channels 3M, 4 channels 5M
AUDIO	
AUDIO COMPRESSION	G.711A
INTERCOM	Support
RECORDING AND PLAYBACK	
RECORD MODE	Manual>alarm>motion detection>timing
PLAYBACK CHANNELS	16 channels 1080P@12fps
STORAGE AND BACKUP	
SPACE OCCUPATION	960H: 12~20G / day / channel 720P: 20G~30G/ day / channel 1080P:40G~45G / day / channel audio: 691.2M / day / channel
BACKUP MODE	Network backup, USB HDD, USB writer, SATA writer
INTERFACE	
VIDEO INPUT	16 BNC
VIDEO OUTPUT	1 channel VGA,1 channel HDMI
AUDIO INPUT	6 channels RCA
AUDIO OUTPUT	1 channel RCA
ALARM INPUT	4
ALARM OUTPUT	1
NETWORK INTERFACE	RJ45 10M/100M /1000M Adaptive Ethernet port
PTZ CONTROL	RS485; RS232; support multiple PTZ protocols
USB	2 USB ports
HARD DISK	2SATA (Each maximum support 6T)
WIRELESS	3G, WIFI (expand via USB)
OTHER	
POWER	12V/4A
DIMENSION	350 (D) x 296 (W) x 44 (H) mm

CADVR-2016FD

2 SATA 16 Channel 1080P AHD Digital Video Recorder

PACKAGE

ITEM	NAME	QTY
1	2 SATA 16- Channel 1080P AHD Digital Video Recorder	1
2	USB Mouse	1
3	User Manual	1
4	Power Adapter	1
5	Power cable	1
6	Install screws	8
7	Pad	4
8	RS232 interface	1
9	Certificate	1
10	CD	1

DIMENSIONS