YOUR SAFETY
OUR DUTY

www.relong.net/en

RELONG ®
SECURITY

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RoHS CE FC ANAB MA
                ISO 9001:2008

RELONG ®
SECURITY

• SINCE 1998 •

COMPANY HONOR

2011   Relong HD-SDI/HD-IP high definiton digital surveillance products are on sales in the market

2010   Awarded "Top 10 Brand of China Security"
Relong Hybrid DVR and High-definition Products come into the market

2009   Awarded "Most Valuable Investment Enterprise of China Security"
Awarded "Top 30 of China Security Most Honest Supplier"
Relong Real-time Embedded DVR and IP Camera come into the market
Awarded "High-tech Enterprise of China "

2008   Awarded "The Recommended brand of Security City Project in China"

2007   Awarded "Top 10 National Brand of China Security"

2006   Awarded "China Security Famous Brand"
"Top 50 Enterprise of China Security Industry"

2005   Awarded "Integrity Alliance Enterprise of China Security"

2004   Develop the first dual CCD camera in China Security

2003   Develop the first long IR distance zoom camera
Realize the combination of normal camera and LED technology

2002   Develop the first Vari-focalcamera

2001   Established
Passed ISO 9001:2000 quality management system

COMPANY OVERVIEW

RELONG, one of the most professional manufacturers in security industry in China, with coverage area on R&D, producing, marketing and after service. Our headquarter is located in Shenzhen with 15000 ㎡ factory area and over 1000 staffs. Our full range of various products including Analog CCTV Camera, Speed Dome, DVR, IP solution and management software. We have offered the most suitable products and technical solutions in finance, public security, telecommunication, transportation, judicature, education, water conservancy, military and other fields.

RELONG had passed ISO 9001:2000 quality management system and certifications such as ROHS, CE and FCC. In recent years, the company maintained an annual growth of more than 30% of comprehensive strength among the leading position in China Security Industry.At present, we set up 22 national branches, built reliable relationship with hundreds of distributors in whole China, business cooperation within more than 80 countries over the world.

RELONG committed to development and manufacturing quality products and providing professional service.
To create the most value for the shareholders, employees, customers and the community;
determined to become an honored and global outstanding corporation the security industry.

Your Safety, Our Duty

RELONG provide 24/7 protection for your facility.

7 reasons that you choose Relong

1 15 years of security product manufacturing history

Relong has been in the security Industry since 1998, one of the earliest enterprise that enter in this field.
For over ten years, Relong has been dedicated to providing our clients with professional security product
and industry system solutions.
Relong has developed into big company with over 1000 staffs from small workshop that has only several
staff. At present we had set up 22 national branches, and build up the hardware and software R&D center,
our products sell well in more than 80 countries and regions around the world.

2 One−stop provider of HD monitoring products and industry solutions

Front-end Equipment: Supply Analog camera, Megapixel Network camera, HD-SDI and etc products.
Transmission Equipment: Plesiochronous Digital Hierarchy, HDMI converter
Storage device: NVR、HD-SDI DVR、DVR
Display device: Supply support 1920*1080 HD LCD monitor、narrow edge LCD DID Video Wall display
equipment.
Management Platform: Provide for software management platform in various industry applications, such
as: Finance, transportation, justice, police, telecommunications, electric power,water,conservancy, energy,
safe city and etc video monitoring management platform.

3 Independent R&D, with our own core technology

Through independent R&D, we have mastered the core technology of video surveillance. With 3A image
processing technology (AEC, AWB, AGC), image intelligent analysis, video compression, Codec, Video
transmission, PTZ storage and security management platform in the field of HD network monitoring.
We owned 68 patents.

4 Whole set of production, test equipment & exquisite artwork.

● With square meters of mold workshop, camera shell and components are selected from excellent material
  under stern quality-control process
● With nearly 10, 000 square meters of assembly line production workshop and professional technical personnel,
  we have exquisite workmanship, first−class quality and top brand
● All products are after finished product testing, darkroom night vision test, drop test, simulation vibration testing,
  high and low temperature test, waterproof testing, aging testing, testing product after aging and so on…

5 Own top cooperative partners and social approval

● Relong has served on the Beijing Olympic Games in 2008, the 24th Winter Universiade Games, the Guangzhou
  Asian Games, and the 26th World University Games
● Relong own a lot of large customers, such as Bank of China, Industrial and Commercial Bank of China, Agricultural
  Bank of China, Bank of Changsha, HuBei prison, HuBei Electric Power Company etc.
● Relong has been honored the "Top 10 national Security brand of China," Recommended Brand of China Safe City
  Construction "," National High-tech Enterprise "etc.
● Relong becomes executive director of China Security Industry Association and Security Industry Association of
  Guangdong Province, vice president of Shenzhen Security Industry Association.

6 Passed various authoritative certification

●ISO 9001:2008 Standard   ●FCC   ●CE   ●ROHS

7 Perfect after−sales service and training system

● Strictly obey the policy of "three guarantees" (for repair, replacement or compensation of faulty products) issued by state.

IP products main advantages

1080P
Ti Da Vinci processor ,resolution is up to 1920*1080/30fps

3A
AEC、AWB、AGC, 3A image processing technology and intelligent image correction

WDR
WDR up to 120DB, suitable for backlighting environmental monitoring

3W
Power consumption is less than 3W

0.16s
1080P HD video transmission, delay timelower than 0.16 seconds

4Mbps
The bit rate is 4Mbps under 1080P/30fps full HD

SDK
It can be integrated with various systems and products easily with completely opened SDK.

Onvif
Drving network video through global standardization

- Adopt TI high–performance DSP of Da Vinci series
- With high–quality progressive scan CMOS,Low power consumption, capture the moving images without aliasing, excellent color reproduction
- Standard H.264 video compression, higher quality output
- Support auto electronic shutter, it can adapt to different monitor environment
- Support DC12V/POE network power supply
- Support a variety of network protocols as HTTP,TCP/IP, RTSP,FTP,SMTP,DHCP,DNS,DDNS,PPPOE,NTP,UPnP
- Support auto recovery & auto reconnection functions
- Flexible OSD,LOGO, privacy mask and watermark functions
- Support video lost, motion detections and sensor alarm functions.

Professienal Box Cameras

- Progressive Scan CMOS
- 0.01 Lux
- C/CS mount
- Support auto-iris lens

Model No	Image Sensor	Resolution
RL-CBN-1713E	1/3" CMOS	960P (1.3M)
RL-CBN-1720E	1/2.5" CMOS	1080P (2.0M)
RL-CBN-1720WDR	1/3" CMOS	1080P (2.0M) WDR
RL-CBN-1720EH	1/3" CMOS	1080P (2.0M) low illumination

Varifocal Lens Vandal Proof Dome Cameras

- Progressive Scan CMOS
- IR-CUT filter
- 30 IR LEDs,20-25m

Model No	Image Sensor	Resolution	Lens
RL-CDN-2713IRE	1/3" CMOS	960P (1.3M)	Fixed 6mm lens
RL-CDN-2720IRE	1/2.5" CMOS	1080P (2.0M)	Vari-focal 2.8~10.5mm lens
RL-CDN-2720IRE-D	1/2.5" CMOS	1080P (2.0M)	Fixed 6mm lens
RL-CDN-2720WDR-IR	1/3" CMOS	1080P (2.0M) WDR	Vari-focal 2.8~10.5mm lens
RL-CDN-2720HE-IR	1/3" CMOS	1080P (2.0M) low illumination	Vari-focal 2.8~10.5mm lens

Varifocal Lens Vandal Proof Dome Cameras

- Progressive Scan CMOS
- IR-CUT filter

Model No	Image Sensor	Resolution	Lens
RL-CDN-2713E	1/3" CMOS	960P (1.3M)	Fixed 6mm lens
RL-CDN-2720E	1/2.5" CMOS	1080P (2.0M)	Vari-focal 2.8~10.5mm lens
RL-CDN-2720E-D	1/2.5" CMOS	1080P (2.0M)	Fixed 6mm lens
RL-CDN-2720EH	1/3" CMOS	1080P (2.0M) low illumination	Vari-focal 2.8~10.5mm lens
RL-CDN-2720WDR	1/3" CMOS	1080P (2.0M) WDR	Vari-focal 2.8~10.5mm lens

Varifocal Lens Vandal Proof Dome Cameras

- Progressive Scan CMOS
- IR-CUT filter
- 30 IR LEDs,25-30m

Model No	Image Sensor	Resolution	Lens
RL-CDN-4620E	1/2.5" CMOS	1080P (2.0M)	Vari-focal 2.8~10.5mm lens
RL-CDN-4620WDR	1/3" CMOS	1080P (2.0M) WDR	Vari-focal 2.8~10.5mm lens
RL-CDN-4620EH	1/3" CMOS	1080P (2.0M) low illumination	Vari-focal 2.8~10.5mm lens

Fixed Lens Dot-Matrix Bullet Cameras

- Progressive Scan CMOS
- IR-CUT filter
- 4 Dot-Matrix IR LEDs,50-60m

Model No	Image Sensor	Resolution	Lens
RL-CZN-5080E	1/2.5" CMOS	1080P (2.0M)	Vari-focal 2.8~10.5mm lens
RL-CZN-5080EH	1/3" CMOS	1080P (2.0M) low illumination	Vari-focal 2.8~10.5mm lens
RL-CZN-5080WDR	1/3" CMOS	1080P (2.0M) WDR	Vari-focal 2.8~10.5mm lens
RL-CZN-5080E-AF	1/2.5" CMOS	1080P (2.0M)	Auto-iris 3.0-10.5mm lens
RL-CZN-5080EH-AF	1/3" CMOS	1080P (2.0M) low illumination	Auto-iris 3.0-10.5mm lens
RL-CZN-5080WDR-AF	1/3" CMOS	1080P (2.0M) WDR	Auto-iris 3.0-10.5mm lens

Fixed Lens Bullet Cameras

- 1/3" Progressive Scan CMOS
- 720P (1.3M)
- Fixed 6mm lens
- IR-CUT filter
- 36 IR LEDs,20-25m

Model No	Image Sensor	Resolution	Lens
RL-CBN-2410E	1/4" CMOS	720P (1.0M)	Fixed 6mm lens
RL-CBN-2413E	1/3" CMOS	960P (1.3M)	Fixed 6mm lens

Fixed Lens Dot-Matrix Bullet Cameras

- 1/2.5" CMOS,2.0 Megapixel
- Fixed 6mm lens
- IR-CUT filter
- 1 Dot-Matrix IR LEDs,25-30m

Model No	Image Sensor	Resolution	Lens
RL-CBN-2420E	1/2.5" CMOS	1080P (2.0M)	Fixed 6mm lens

Fixed Lens Dot-Matrix Bullet Cameras

- Progressive Scan CMOS
- Fixed 16mm lens
- IR-CUT filter
- Dot-Matrix IR LEDs,50-60m

Model No	Image Sensor	Resolution	Lens
RL-CBN-1420E	1/2.5" CMOS	1080P (2.0M)	Fixed 16mm lens
RL-CBN-1420EH	1/3" CMOS	1080P (2.0M) low illumination	Fixed 16mm lens
RL-CBN-1420WDR	1/3" CMOS	1080P (2.0M) WDR	Fixed 16mm lens

Varifocal Lens Bullet Cameras

- Progressive Scan CMOS
- IR-CUT filter
- 42 IR LEDs,25-30m

Model No	Image Sensor	Resolution	Lens
RL-CBN-3720E	1/2.5" CMOS	1080P (2.0M)	Vari-focal 2.8~10.5mm lens
RL-CBN-3720EH	1/3" CMOS	1080P (2.0M) low illumination	Vari-focal 2.8~10.5mm lens
RL-CBN-3720WDR	1/3" CMOS	1080P (2.0M) WDR	Vari-focal 2.8~10.5mm lens
RL-CBN-3720E-35AF	1/2.5" CMOS	1080P (2.0M)	Auto-iris 3.0-10.5mm lens
RL-CBN-3720EH-35AF	1/3" CMOS	1080P (2.0M) low illumination	Auto-iris 3.0-10.5mm lens
RL-CBN-3720WDR-35AF	1/3" CMOS	1080P (2.0M) WDR	Auto-iris 3.0-10.5mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" CMOS,1.3 Megapixel
- Fixed 6mm lens
- IR-CUT filter
- 30 IR LEDs,20-25m

Model No	Image Sensor	Resolution	Lens
RL-CDN-1310E	1/4" CMOS	720P (1.0M)	Fixed 6mm lens
RL-CDN-1313E	1/3" CMOS	960P (1.3M)	Fixed 6mm lens

Fixed Lens Vandal Proof Dome Cameras

- Progressive Scan CMOS
- IR-CUT filter
- 36 IR LEDs,25-30m

Model No	Image Sensor	Resolution	Lens
RL-CDN-9013E	1/3" CMOS	960P (1.3M)	Fixed 6mm lens
RL-CDN-9020E	1/2.5" CMOS	1080P (2.0M)	Fixed 6mm lens
RL-CDN-9020EH	1/3" CMOS	1080P (2.0M) low illumination	Fixed 6mm lens
RL-CDN-9020WDR	1/3" CMOS	1080P (2.0M) WDR	Fixed 6mm lens

System Functions:

- Adopting high–performance Progressive Scan CMOS
- Support multi–language OSD and operation prompts functions, friendly user interface
- Support power–off memory function
- Support anti –lightning and anti–surge protection, protection level is Ip66
- Support auto iris, auto–focus, AWB, BLC and low illumination (color / B & W) auto / manual switching functions

PTZ Functions:

- Pan 360° continous rotation,0.4~300° /s, Tilt 0~90° auto filp, 0.4° ~75° /s
- Support 128 preset position, Max. 6 tours, max 16 spots for each tour
- Support 4 pattern scanning, each tour can record 100 (Max) different commands without time–limited
- Support proportional zooming, rotation speed can be adjusted automatically according to the zoom multiples of the lens
- Support Home Place, Preset Points /Pattern Scan / Scout Scan / Auto Scan /Two Long, Close Points Scan

Network Functions:

- Adopt H.264 video compression
- 10Base–T / 100Base–TX, RJ45 network interface
- Support the SDHC card and standard SD card storage
- Support three–stage user permissions management
- Support dual–stream technology
- Support a variety of network protocols, TCP / IP, HTTP, DHCP, DNS, on RTP / RTCP, PPPoE (FTP, SMTP, NTP, the SNMP can be added)

7" High Speed Dome Cameras

- Audio I/O interface
- Vandal-proof
- IP66
- AC24V

Model No	Image Sensor	Resolution	Lens
RL-CSN-5713	1/3" progressive Scan CCD	960P (1.3M)	18x=4.7~84.6mm lens
RL-CSN-5720	1/2.8" progressive Scan CMOS	1080P (2.0M)	18x=4.7~84.6mm lens

IR High Speed Dome Cameras

- Audio I/O interface
- 12 IR LEDs, 100m
- Vandal-proof
- IP66
- AC24V

Model No	Image Sensor	Resolution	Lens
RL-CSN-5713IR	1/3" progressive Scan CCD	960P (1.3M)	18x=4.7~84.6mm lens
RL-CSN-5720IR	1/2.8" progressive Scan CMOS	1080P (2.0M)	18x=4.7~84.6mm lens

Mini Speed Dome Cameras

- Indoor mini speed dome
- Fixed 6mm lens
- 30m IR distance
- DC12V

Model No	Image Sensor	Resolution	Lens
RL-CSN-5520IR	1/3" progressive Scan CCD	1080P (2.0M)	Fixed 6mm lens

4ch/8ch/16ch 720P Economical NVR

See Remote video on your
SMART PHONE
REMOTE MONITORING

Features:

- Adopt high-performance, low power-consumption ARM processor, with high stability and reliability
- 4ch/8ch/16ch 720P HD video input sync
- Support VGA output, up to 1280x1024
- All channels achieve full real-time megapixels HD preview and playback
- Adopt user-friendly GUI graphical interface, easy to operate
- Auto search IP
- ONVIF network cameras can be connected to a third-party
- Partial enlarged the selected image
- Support remote search, playback, download, HTTP
- Support a variety of mainstream PTZ decoder control protocol, preset, cruise and the protocol supports user-defined
- Multi-level administrative privileges, convenient and safe

Applications

Apply to the financial services, telecommunications, government, schools, airports, factories, hotels, museums, and traffic monitoring fields which need ultra-HD & real-time image quality

Mode	RL-NVR-6604	RL-NVR-6608	RL-NVR-6616
Main Processor	Industrial Embedded Microcontroller		
Operating System	Embedded LINUX		
Image Encoding Standard	H.264		
Image Quality	720P@ 25 fps		
Playback Image Quality	720P@ 25 fps		
Encoding Standard	G.711A		
Pronunciation Talkbacks	Two-way pronunciation		
Recording Type	Manual、motion detection、timing、alarm recording		
Recording Storage	Hard disk、network		
Recording Speed	720P@ 25 fps		
Recording Playback	Support 720P single channel playback		
Backup	Support USB HDD、USB storage and backup		
Video Input	Max. support 4ch 720P HD camera	Max. support 8ch 720P HD camera	Max. support 16ch 720P HD camera
Video Output	1ch VGA, 1ch CVBS output	1ch VGA, 1ch CVBS output	1ch VGA,1ch CVBS, 1ch HDMI output
Multi-screen preview	Support 1/4 preview	Support 1/4 /8preview	Support 1/4 /8/16 preview
Audio Input	1ch		
Audio Output	1ch		
Alarm Output	1ch		
Network	1 RJ45 interface, 10/100M self-adaptive		
Network Protocol	Support TCP/IP Protocol cluster, support PPPoE、DHCP、DNS、DDNS、NTP、UPNP、FTP etc		
USB	2 USB 2.0 interface		
Hard Disk	2 SATA, up to 3TB each		
Power Supply	DC +12V /5A		
Power Consumption	20W（without hard disk）		
Operating Temperature	0℃~+55℃		
Operating Humidity	10%~90%		
Size	406mm*315mm*54.5mm (2U height)		
Weight	2.0-2.5kg(without Hard Disk)		

4ch/8ch/16ch 1080P Economical NVR

See Remote video on your
SMART PHONE
REMOTE MONITORING

Features:

- Adopt high-performance, low power-consumption ARM processor, with high stability and reliability
- 4ch/8ch/16ch 1080P HD video input sync
- Support VGA output, up to 1280x1024
- Support HDMI output, up to 1920 x1080
- All channels achieve full real-time megapixels HD preview and playback
- Adopt user-friendly GUI graphical interface, easy to operate
- Auto search IP
- ONVIF network cameras can be connected to a third-party
- Partial enlarged the selected image
- Support remote search, playback, download, HTTP
- Support a variety of mainstream PTZ decoder control protocol, preset, cruise and the   protocol supports user-defined
- Multi-level administrative privileges, convenient and safe

Applications

Apply to the financial services, telecommunications, government, schools, airports, factories, hotels, museums, and traffic monitoring fields which need ultra-HD & real-time image quality

Mode	RL-NVR-6804H2	RL-NVR-6808H4	RL-NVR-6816H8
Main Processor	Industrial Embedded Microcontroller		
Operating System	Embedded LINUX		
Image Encoding Standard	H.264		
Image Quality	1080P@ 25 fps		
Playback Image Quality	1080P@ 25 fps		
Encoding Standard	G.711A		
Pronunciation Talkbacks	Two-way pronunciation		
Recording Type	Manual、motion detection、timing、alarm recording		
Recording Storage	Hard disk、network		
Recording Speed	1080P@ 25 fps		
Recording Playback	Support 1080P single channel playback		
Backup	Support USB HDD、USB storage and backup		
Video Input	Max. support 4ch 1080P HD camera	Max. support 8ch 1080P HD camera	Max. support 16ch 1080P HD camera
Video Output	1ch VGA ,2ch CVBS output, 1ch HDMI output optional		
Multi-screen preview	Support 1/4 preview	Support 1/4 /8preview	Support 1/4 /8/16 preview
Audio Input	2ch		
Audio Output	1ch		
Alarm Output	1ch		
Network	1 RJ45 interface, 10/100M self-adaptive		
Network Protocol	Support TCP/IP Protocol cluster, support PPPoE、DHCP、DNS、DDNS、NTP、UPNP、FTP etc		
USB	2 USB 2.0 interface		
Hard Disk	2 SATA, up to 3TB	4 SATA, up to 3TB	6 SATA, up to 3TB
Power Supply	DC +12V /5A	220V±10% 50Hz±2%	110±10% 60Hz±2%
Power Consumption	20W（without hard disk）		
Operating Temperature	0℃~+55℃		
Operating Humidity	10%~90%		
Size	460mm*406mm*56mm		450mm*440mm*90mm
Weight	2.0-2.5kg(without Hard Disk)		

Features of HD-SDI cameras

HD–SDI Camera,with high–speed transmission of uncompressed video image in order to get clearer image,and to achieve video without delay,no attenuation,interference–free functions.
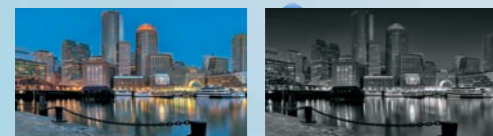
HD-SDI 2.0MegaPixel Cameras

· HD 2 Megapixel 1/2.8" Progressive Scan CMOS
· Support 1080P 25/30fps and 720P 50/60fps HD-SDI signal,BNC analog signal output
· Support 3DNR、digital WDR、HLC、BLC、fog-Penetrating function
· Support resolution 1920*1080/1280*720
· Support 4X electronic zoom、32 privacy mask，motion detection functions
· Support RS485 communication protocol,OSD menu

WDR ON   WDR OFF

Privacy Masking ON   Privacy Masking OFF

DAY Image   Night Image

RL-HDC-2920

· Vandal Proof
· 3.3~12mm Auto Iris lens
· IR-CUT dual-filter switch

IP66

RL-HDC-2820H

· Vandal Proof
· 3.3~12mm Auto Iris lens
· IR-CUT dual-filter switch
· 30pcs of IR LED, IR Distance up to 100ft

IP66

RL-HDC-3820H

· Vandal Proof
· 3.3~12mm Auto Iris lens
· IR-CUT dual-filter switch
· 42pcs of IR LED, IR Distance up to 130ft

IP66

RL-HDC-2420H

· Vandal proof
· Fixed 6mm Lens
· IR-CUT dual-filter switch
· 36pcs of IR LED, IR Distance up to 60ft

IP66

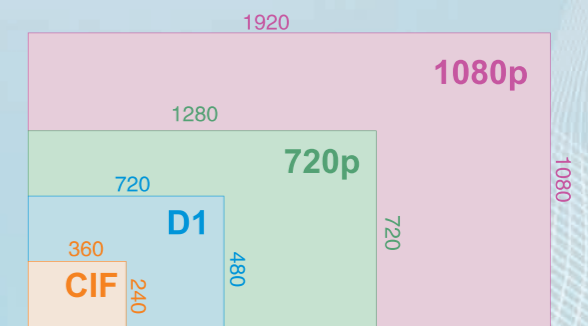### RL-HDC-1920H

CS interface，support auto CS iris lens

PROFESSIONAL HD-SDI DVR

See Remote video on your
SMART PHONE
REMOTE MONITORING

Model		RL-HD-VR-9604D
System parameters	Compression Format	H.264
	Operating system	Linux
Video parameters	Video preview	1080P
	Video recording	1080P @120fps
	Video playback	1080P @30fps
	Video input	BNC*4, 4CH HD-SDI 1080P
	Video output	HDMI 1080P HD-output; VGA output；
Audio parameters	Audio encoding	8K*16bit ADPCM
	Audio input	RCA , 4 channel
	Audio output	RCA,1 channel
Storage & Backup	Hardware interface	2 SATA port,up to 6T
	eSATA interface	Support
	Backup type	USB2.0 Storage card/network
USB	USB interface	2 USB 2.0
Alarming parameters	IO alarming	4CH input, 2CH output
	Video alarming	Video mask,motion detection，video loss，IO
	Alarming linkage	Recording,buzzer,email, FTP upload, PTZ linkage
Network parameters	Network interface	10M/100M network port
	Network protocol	TCP/IP, PPPoE, DHCP , DDNS, UPnP, SMTP, FTP
	Remote control	IE, CMS, SmartClient
	Preview by phone	support Windows Mobile, Blackberry, iPhone, Andriod, Symbian
Power parameters	Input voltage	DC12V /5A
Other information	Dimension(mm)	405(W) * 55(H) * 310(D)
	Weight	4.5kg

HD-SDI to HDMI converter

Model	RL-SVH-100
Signal input	HD-SDI
Input/output range	Highest: HD: 300M /3G:100M
Power	DC12V/110mA
Size	120(W) X 70.8(L) X 29.4(H)mm

1920
1080p
1280
720p
720
D1
360
CIF
240
480
720
1080

Video size comparison

- Adopt latest Sony Effio-P Solution:
- 3D noise reduction
- support smart IR function
- 8 language menu control
- support wide dynamic range(WDR) function
- Vandal proof, Weather proof, Motion detection, Privacy masking, E-zoom,Freeze
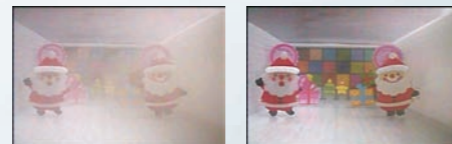
WDR OFF   WDR ON

The wide dynamic range (WDR) function of a camera is intended to provide clear images even under back light circumstances where intensity of illumination can vary excessively, namely when there are both very bright and very dark areas simultaneously in the field of view of the camera. WDR enables the capture and display of both bright and dark areas in the same frame, in a way that there are details in both areas, i.e. bright areas are not saturated, and dark areas are not too dark. Savvy Tech corp adopts latest SONY WDR program, which dynamic range and image quality are better than normal WDR camera.
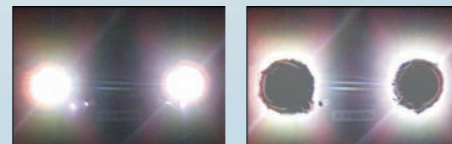
2DNR   3DNR

Digital Fog penetrating function

SMART IR OFF   SMART IR ON

HLC OFF   HLC ON

RL-CD-4600-P

- 1/3" Sony Exview CCD II，up to 700TVL
- 2.8~12mm varifocal lens
- Sense-up X 128
- 30pcs IR LED, IR distance up to 25M
- DC 12V

IP66 IK10

RL-CD-3360-P

- 1/3" Sony Exview CCD II，up to 700TVL
- 2.8~12mm varifocal lens
- Sense-up X 128
- 30pcs IR LED, IR distance up to 30M
- DC 12V

IP66

RL-CB-1160WD-P

- 1/3" Sony Super HAD CCD II ,700TVL
- Sense-up X128
- DC 12V

Varifocal Lens Vandal Proof Dome Cameras

- 1/3" Sony CCD
- Vari-focal 2.8~12mm Lens
- 30 IR LEDs,100ft
- Vandal-resistant
- Weather-resistant
- DC12V

100ft IR Distance

IP66

Model No	TVL	System	Lens
RL-CD-3656IR	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CK3360IR-D	700TVL	Sony Effio-E	Vari-focal 2.8~12mm lens

Varifocal Lens Dome Cameras

- 1/3" Sony CCD
- Vari-focal 2.8~12mm Lens
- 36 IR LEDs,100ft
- Vandal-resistant
- Weather-resistant
- DC12V

100ft IR Distance

Model No	TVL	System	Lens
RL-CD-4056	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CK6131-D	700TVL	Sony Effio-E	Vari-focal 2.8~12mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Fixed 3.6mm Lens
- 30 IR LEDs,100ft
- Indoor
- DC12V

100ft IR Distance

Model No	TVL	System	Lens
RL-CD-1356	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CK6030H	700TVL	Sony Effio-E	Fixed 3.6mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Fixed 3.6mm Lens
- 24 IR LEDs,70ft
- Indoor
- DC12V

70ft IR Distance

Model No	TVL	System	Lens
RL-CD-1856	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CK-4020H	700TVL	Sony Effio-E	Fixed 3.6mm lens

2.5" Base Fixed Lens Dome Cameras

- 1/3" Color Sensor
- Fixed 3.6mm Lens
- 24 IR LEDs,70ft
- Vandal-resistant
- DC12V

70ft IR Distance

Model No	TVL	System	Lens
RL-CD-2056	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CK6129-D	700TVL	Sony Effio-E	Fixed 3.6mm lens

Varifocal Lens Bullet Cameras

- 1/3" Sony CCD
- Vari-focal 2.8~12mm Lens
- 42 IR LEDs,130ft
- 3-Axis Bracket
- Vandal-resistant
- Weather-resistant
- DC12V

130ft IR Distance

Model No	TVL	System	Lens
RL-CB-1656	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CK6340-D	700TVL	Sony Effio-E	Vari-focal 2.8~12mm lens

Varifocal Lens Bullet Cameras

- 1/3" Sony CCD
- Vari-focal 2.8~12mm Lens
- 42 IR LEDs,130ft
- 3-Axis Bracket
- Vandal-resistant
- Weather-resistant
- DC12V

130ft IR Distance

Model No	TVL	System	Lens
RL-CB-5356	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CK6341-D	700TVL	Sony Effio-E	Vari-focal 2.8~12mm lens

Long Range Varifocal Lens Bullet Cameras

- 1/3" Sony CCD
- 30 IR LEDs(8 large+22 small), 260ft
- Vandal-resistant
- Weather-resistant

260ft IR Distance

Model No	TVL	System	Lens	Power
RL-CB-1056	600TVL	1/3" Color sensor	Vari-focal 5~50mm lens	DC12V
RL-CK6160-D	700TVL	Sony Effio-E	Vari-focal 5~50mm lens	DC12V
RL-CB-1056-D	600TVL	1/3" Color sensor	Vari-focal 5~50mm lens	DC12V/ AC24V
RL-CB-1060HX-D	700TVL	Sony Effio-E	Vari-focal 5~50mm lens	DC12V/ AC24V

Fixed Lens Bullet Cameras

110ft IR Distance

- 1/3" Sony CCD
- 42 IR LEDs,110ft
- 3-Axis Bracket
- Vandal-resistant
- IP66 Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CB-3256	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CK6240-D-HR	700TVL	Sony Effio-E	Fixed 3.6mm lens

Fixed Lens Bullet Cameras

110ft IR Distance

- 1/3" Sony CCD
- 36 IR LEDs,110ft
- 3-Axis Bracket
- Vandal-resistant
- IP66 Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CB-2456	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CK6124-D	700TVL	Sony Effio-E	Fixed 3.6mm lens

Fixed Lens Dot-Matrix Bullet Cameras

100ft IR Distance

- 1/3" Sony CCD
- Dot-Matrix IR LEDs,100ft
- 3-Axis Bracket
- Vandal-resistant
- IP66 Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CB-3256-D	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS1630H	700TVL	Sony Effio-E	Fixed 3.6mm lens

Fixed Lens Bullet Cameras

70ft IR Distance

- 1/3" Sony CCD
- 24 IR LEDs,70ft
- DC12V

Model No	TVL	System	Lens
RL-CB-1656S	600TVL	1/3" Color sensor	Fixed 3.6mm lens

Varifocal Lens Vandal Proof Dome Cameras

- 1/3" Color Sensor
- 0.1 Lux
- Vandal-resistant
- Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CD-3656	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CK3360-D	700TVL	Sony Effio-E	Vari-focal 2.8~12mm lens

Varifocal Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Vari-focal 4~9mm Lens
- 700TVL
- 0.1 Lux
- Indoor
- DC12V

Model No	TVL	System	Lens
RL-CD-2156	600TVL	1/3" Color sensor	Vari-focal 4~9mm lens
RL-CK6213-D	700TVL	Sony Effio-E	Vari-focal 4~9mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Fixed 3.6mm Lens
- 700TVL
- 0.1 Lux
- Indoor
- DC12V

Model No	TVL	System	Lens
RL-CD-1256	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CK-6012-D	700TVL	Sony Effio-E	Fixed 3.6mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Fixed 3.6mm Lens
- 700TVL
- 0.1 Lux
- Indoor
- DC12V

Model No	TVL	System	Lens
RL-CD-8356	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CK6831-D	700TVL	Sony Effio-E	Fixed 3.6mm lens

Professional Box Cameras

- 1/3" Sony CCD
- 0.01 Lux
- Auto iris control
- CS mount

Model No	TVL	System	Power
RL-CB-1160HR	700TVL	Sony Effio-E	DC 12V

Varifocal Lens Bullet Cameras

130ft IR Distance

- 1/3" Color Sensor
- Fixed 2.8~12mm Lens
- 48 IR LEDs,130ft
- 3-Axis Bracket
- Vandal-resistant
- IP66 Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CS2615	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CS2635	700TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens

Fixed Lens Bullet Cameras

110ft IR Distance

- 1/3" Color Sensor
- Fixed 2.8~12mm Lens
- 36 IR LEDs,110ft
- 3-Axis Bracket
- Vandal-resistant
- IP66 Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CS1624	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2624	700TVL	1/3" Color sensor	Fixed 3.6mm lens

Fixed Lens Bullet Cameras

70ft IR Distance

- 1/3" Color Sensor
- Fixed 3.6mm Lens
- 24 IR LEDs,70ft
- DC12V

Model No	TVL	System	Lens
RL-CS1615	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2615	700TVL	1/3" Color sensor	Fixed 3.6mm lens

Varifocal Lens Bullet Camera

100ft IR Distance

- 1/3" Color Sensor
- 4~9mm lens
- 42 IR LEDs,100ft
- DC12V

Model No	TVL	System	Lens
RL-CS1652	600TVL	1/3" Color sensor	Vari-focal 4~9mm lens
RL-CS2652	700TVL	1/3" Color sensor	Vari-focal 4~9mm lens

Varifocal Lens Bullet Camera

130ft IR Distance

- 1/3" color sensor
- Vari-focal 2.8-12mm lens
- 42 IR LEDs, 130ft
- DC 12V

Model No	TVL	System	Lens
RL-CB-1600HX	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CS2616	700TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens

Fixed Lens Dot-Matrix Bullet Cameras

100ft IR Distance

- 1/3" Color Sensor
- Fixed 3.6mm Lens
- Dot-Matrix IR LEDs,100ft
- 3-Axis Bracket
- Vandal-resistant
- IP66 Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CS1630	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2630	700TVL	1/3" Color sensor	Fixed 3.6mm lens

Fixed Lens Dot-Matrix Bullet Cameras

180ft IR Distance

- 1/3 Color sensor
- 16mm lens
- 2pcs of Dot matrix IR LEDs, 180ft
- DC 12V

Model No	TVL	System	Lens
RL-CS1650	600TVL	1/3" Color sensor	Fixed 16mm lens
RL-CS2650	700TVL	1/3" Color sensor	Fixed 16mm lens

Varifocal Lens Dome Cameras

100ft IR Distance

- 1/3" Color Sensor
- Vari-focal 2.8~12mm Lens
- 36 IR LEDs,100ft
- Vandal-resistant
- Weather-resistant
- DC12V

Model No	TVL	System	Lens
RL-CS1317	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens
RL-CS2317	700TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Color Sensor
- Fixed 3.6mm Lens
- 30 IR LEDs,100ft
- Indoor
- DC12V

100ft IR Distance

Model No	TVL	System	Lens
RL-CS1325	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2325	700TVL	1/3" Color sensor	Fixed 3.6mm lens

3.7" Base Fixed Lens Dome Cameras

- 1/3" Color Sensor
- Fixed 3.6mm Lens
- 24 IR LEDs,70ft
- Vandal-resistant
- Weather-resistant
- DC12V

70ft IR Distance

Model No	TVL	System	Lens
RL-CS1320	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2320	700TVL	1/3" Color sensor	Fixed 3.6mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Color Sensor
- Fixed 3.6mm Lens
- 24 IR LEDs,70ft
- Indoor
- DC12V

70ft IR Distance

Model No	TVL	System	Lens
RL-CS1315	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2615	700TVL	1/3" Color sensor	Fixed 3.6mm lens

Varifacal Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Vari-focal 4~9mm lens
- 700TVL
- 0.1 Lux
- Indoor
- DC12V

Model No	TVL	System	Lens
RL-CS1321	600TVL	1/3" Color sensor	Vari-focal 4~9mm lens
RL-CS2313	700TVL	1/3" Color sensor	Vari-focal 4~9mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Fixed 3.6mm Lens
- 700TVL
- 0.1 Lux
- Indoor
- DC12V

Model No	TVL	System	Lens
RL-CS1312	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2312	700TVL	1/3" Color sensor	Fixed 3.6mm lens

Fixed Lens Plastic Dome Cameras

- 1/3" Sony Effio-E DSP
- Fixed 3.6mm Lens
- 700TVL
- 0.1 Lux
- Indoor
- DC12V

Model No	TVL	System	Lens
RL-CS1383	600TVL	1/3" Color sensor	Fixed 3.6mm lens
RL-CS2383	700TVL	1/3" Color sensor	Fixed 3.6mm lens

Varifocal Lens Vandal Proof Dome Camera

- 1/3" Color sensor
- Vari-focal 2.8-12mm lens
- Vandal-resistant
- Weather-resistant
- 30 IR LEDs, 100ft
- DC 12V

100ft IR Distance

Model No	TVL	System	Lens
RL-CS2336IR	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens

Varifocal Lens Vandal Proof Dome Camera

- 1/3" Color sensor
- Vari-focal 2.8-12mm lens
- Vandal-resistant
- Weather-resistant
- DC 12V

Model No	TVL	System	Lens
RL-CS2336	600TVL	1/3" Color sensor	Vari-focal 2.8~12mm lens

4" MINI HIGH SPEED DOME CAMERA

- 10X Optical zoom, f=3.78~37.8mm,540TVL
- 4" transparent acrylic cover, aluminum construction
- OSD function,compatible to all the DVR
- TI High-performance 32-bit microprocessor
- Constant current 32 subdivision PTZ drive design, 0.4° ~100° /S, run more smoothly
- D/N, color and W/B auto switch, Min Illumination 0.1Lux/F1.2(color)
- Support wall/ ceilling installation

540TVL
10X OPTICAL ZOOM

540TVL 150ft IR Distance
10X OPTICAL ZOOM

RL-CS-6600AK-100   **RL-CS-6600AK-100IR**

Model	RL-CS-6600AK-100	RL-CS-6600AK-100IR
Image Sensor	1/3" SONY Super HAD CCD	
IR function	none	30 pcs of IR LEDs, IR Distance :150ft.
Pan	360° continuous rotation, 0.4~100°	
Tilt	0~90° rotation, 0.4~75°	
Auto Scan	360° auto scan	
Preset Position	Max. 128 spots	
Tour	Max. 6 tours, max. 16 spots in every tour	
Pattern Scan	4 tours, max. 100 commands in every tour	
Remote Control Interface	RS-485, 485 remote upgrade,(supports Pelco-D and Pelco-P protocols)	
Power	DC 12V	
Environment	(-30℃～+55℃), ≤95% Rh, no dew	

IR HIGH SPEED DOME CAMERA

- OSD function,compatible to all the DVR
- 7" High die-cast transparent acrylic cover, aluminum construction
- 14 pcs of high power IR LEDs, power consumption of IR LED can be adjust.
- Day&Night function (ICR)
- TI High-performance 32-bit microprocessor
- Constant current 32 subdivision PTZ drive design, 0.4° ~300° /S, run more smoothly
- D/N, color and W/B auto switch, Min Illumination 0.001Lux/F1.2(color)
- Support wall/ ceilling installation
- IP 66, Indoor/ Outdoor

DAY&NIGHT
AUTO IR-CUT FILTER REMOVAL

OPTICAL ZOOM:10X / 22X / 26X / 36X

Model	RL-CS-6400AK-146IR	RL-CS-6400AK-148IR	RL-CS-6400AK-149IR	RL-CS-6400AK-141IR	RL-CS-6400AK-138IR
Image Sensor	1/4" SONY Super HAD CCD1/3" SONY Exview CCD Ⅱ				1/3" SONY Exview CCD Ⅱ
Horizontal resolution	420TVL	480TVL	480TVL	540TVL	540TVL
Lens	22X, f=3.9~85.8mm	10X, f=4.1~73.8mm	26X, f=3.5~91mm	36X,f=3.4~122.4mm	22X,f=4.5~99mm
IR Distance	270ft	330ft	360ft	360ft	330ft
Privacy Mask	none		8 zones		none
Pan	360° continuous rotation, 0.4~300° /s				
Tilt	0~90° rotation, 0.4~75° /s				
Auto Scan	360° auto scan				
Preset Position	Max. 128 spots				
Tour	Max. 6 tours, max. 16 spots in every tour				
Pattern Scan	4 tours, max. 100 commands in every tour				
Remote Control Interface	RS-485, 485 remote upgrade,(supports Pelco-D and Pelco-P protocols)				
Power	AC 24V				
Environment	(-30℃~+55℃), ≤95% Rh, no dew				

HIGH SPEED DOME CAMERA

- OSD function,compatible to all the DVR
- 7" High die-cast transparent acrylic cover, aluminum construction
- TI High-performance 32-bit microprocessor
- Constant current 32 subdivision PTZ drive design, 0.4° ~300° /S, run more smoothly
- D/N, color and W/B auto switch, Min Illumination 0.001Lux/F1.2(color)
- Support wall/ ceilling installation
- IP 66, Indoor/ Outdoor

DAY&NIGHT
AUTO IR-CUT FILTER REMOVAL

OPTICAL ZOOM:10X / 22X / 26X / 36X

Model	RL-CS-6400AK-146	RL-CS-6400AK-148	RL-CS-6400AK-149	RL-CS-6400AK-141	RL-CS-6400AK-138
Image Sensor	1/4" SONY Super HAD CCD				1/3" SONY Exview CCD Ⅱ
Horizontal resolution	420TVL	480TVL	480TVL	540TVL	540TVL
Lens	22X, f=3.9~85.8mm	10X, f=4.1~73.8mm	26X, f=3.5~91mm	36X,f=3.4~122.4mm	22X,f=4.5~99mm
Privacy Mask	none		8 zones		none
Pan	360° continuous rotation, 0.4~300° /s				
Tilt	0~90° rotation, 0.4~75° /s				
Auto Scan	360° auto scan				
Preset Position	Max. 128 spots				
Tour	Max. 6 tours, max. 16 spots in every tour				
Pattern Scan	4 tours, max. 100 commands in every tour				
Remote Control Interface	RS-485, 485 remote upgrade,(supports Pelco-D and Pelco-P protocols)				
Power	AC 24V				
Environment	(-30℃~+55℃), ≤95% Rh, no dew				

Keyboards for PTZ Camera

- LCD display
- Connection: RS485/RS-232
- Communication distance: 1200m
- Baud rate :2400/4800/9600/19200bps
- Call OSD menu/ Preset position/ Tours
- Input Voltage: DC12V

RL-J201
·2D Joystick
·440*190*98mm

RL-CX-1003
·3D Joystick
·410*200*120mm

HDMI DVRS

The Latest TI Chip

Adopting TI high-performance processing chip with stronger encoding/decoding capability, more clearer image, supporting D1 real-time recording.

eSATA

Supporting backup the recording files via external connected eSATA(1pcs 2TB).

Monitoring by Mobile Phones

Supporting Tablet PC (Windows Mobile), smart mobile phones (Blackberry, iPhone, Andriod, Symbian) to monitoring

HDMI Video Output

Supporting both HDMI and VGA video output, the resolution of the video output up to 1920 * 1080.

Mode	RL-HD-VR-3904	RL-HD-VR-3908	RL-HD-VR-3916	RL-HD-VR-4916C
Preview	D1			
Recording Resolution	D1			CIF
Playback Resolution	D1			CIF
Playback Sync	4ch D1		16ch D1	16CH CIF
Audio Input/Output	4ch RCA/1ch RCA		16ch RCA/1ch RCA	1ch RCA/1ch RCA
Video Input	4 ch BNC	8ch BNC	16ch BNC	
Video Output	VGA*1、HDMI*1（1920*1080）			
Alarm in/out	/		8ch/2ch	/
485 Interface	1			
SATA Interface	1pc up to 2TB, 1pc Esata		2pc up to 6TB, 2pc Esata	2pc up to 6TB
Power Supply	DC12V/2A		DC12V/5A	
Working Temperature	-20℃—55℃			
Monitoring by Phone	Symbian，iPhone，Windows Mobile，blackberry，Android			
Network	1 RJ45 10M/100M/1000M			
Dimension	300（W)*50(H)*220(D)		405（W)*55(H)*310(D)	

3904 / 3908

3916 / 4916C

CONSUMER LEVEL D1 DVR

Model	RL-VR-3804
Video Input	4CH BNC
Video output	1CH CVBS+1CH VGA
Video Recording Resolution	D1/4CIF(704*576/704*480), HD1(352*576/352*480),CIF(352*288/352*240),CBR/VBR
Audio In/Out	4CH RCA/1CH BNC
Alarm In/Out	4CH/1CH
Alarm	Motion detection, Video loss detection,IO alarm,video cover, Hard disk failure
Playback Channel	4CH
PTZ	1 RS485
HDD Port	1 SATA HDD to 2TB
Backup	USB/Network/ Flash Drive
Dimension(mm)	300(W)*55(H)*230(D)

Professional security recording kit
with internet & Iphone viewing

4CH DVR with 4 cameras

· 1pc 1 to 4 splitter
· 4 x 60ft BNC Cable
· Power adaptors
· Remote Controller

RL-4023CS

RL-HD-VR-3904+4*RL-CS2615

RL-4022CS

RL-HD-VR-3904+2*RL-CS2615
+2*RL-CS2315

8CH DVR with 8 cameras

· 2pcs 1 to 4 splitter
· 8x 60ft BNC Cable
· Power adaptors
· Remote Controller

RL-4024CS

RL-HD-VR-3908+8*RL-CS2615

RL-4025CS

RL-HD-VR-3908+4*RL-CS2315
+2*RL-CS2615+2*RL-CS2630