

HDCVI H.265

Make each byte count

On reaching a new milestone of 10 million units shipped worldwide, Dahua HDCVI recorders have gained a significant global user base, which is a great example of field-proven Dahua HDCVI products and solutions.

To protect our customers' assets and investments, Dahua continuously invests in the research and development of cutting-edge HDCVI technologies. 2018 will deliver great breakthroughs with the launch of HDCVI-H.265/H.265+ technology, which offers users up to a 90% reduction in HDD storage usage.

With a mission of "Enabling a safer society and smarter living", Dahua will keep on providing more opportunities to customers as well as improve its services with innovations and technological advancements.

H.265+

HDCVI-H.265+ technology, an intelligent video compression algorithm developed by Dahua, has been released with the goal of broadening the application scope of 4K/4MP UHD devices in the video surveillance industry. The stream output from the HDCVI-H.265+ smart codec can save up to 90% on bandwidth and video storage usage while ensuring high image quality, greatly reducing system costs, resource consumption and environmental pollution, thus earning the name, "GreenStream", which advocates an efficient, fashionable and environmentally-friendly lifestyle.



Advanced Bit Rate Control

Scene adaptive encoding strategy

Video Encoding Based on the Video Contents Analytics

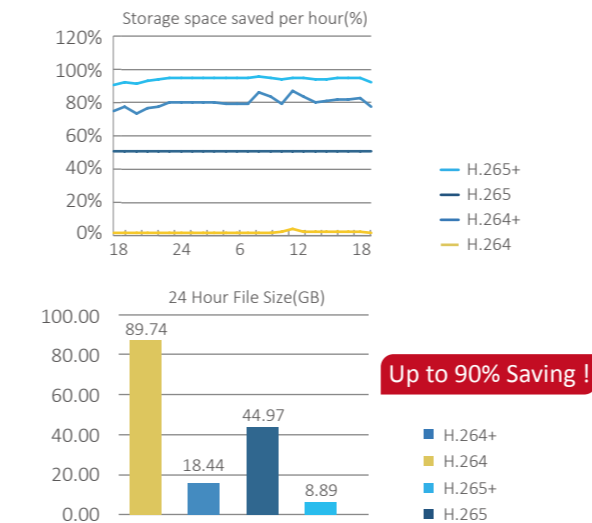
Dynamic ROI & dynamic GOP
Flexible reference frame structure

Noise Suppression Technology

Adopts different noise reduction levels

24 Hour Testing

A 24 hour low stream test has been performed while using 4K@15fps encoding. The test was performed in an outdoor scenario under 24 hour surveillance. Compared with H.264, on average, HDCVI-H.265+ uses between 88% and 95.3% less storage space each hour, saving up to 90% storage space per day.



4TB

HDCVI-H.265+ enables longer recording times on analog surveillance systems with the same storage space.

112 DAYS



H.265+ XVR 8 X 4MP Cameras

11 DAYS



H.264 XVR 8 X 4MP Cameras

2018 Begin new journey towards next 10 million sales

HDCVI-H.265 released
XVR4.0 defining new industry standard

Over 10 million DVRs shipped

Initiated 4MP/4K UHD era
HDCVI-H.264+ technology released

2017

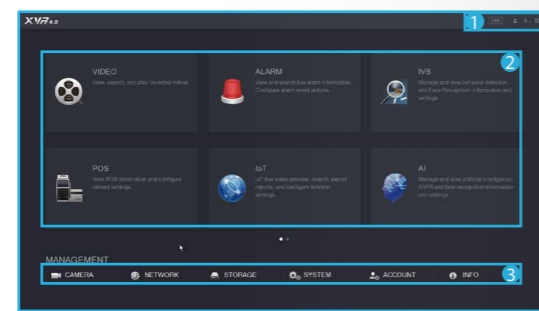
2012 HDCVI released, adopted as the HDCCTV industry standard

From CVBS to 720P/1080P HD surveillance
From MJPEG to H.264 video compression

Brand New GUI-XVR4.0

After over a year of design and development, the next generation GUI interface, XVR4.0, will be released together with HDCVI-H.265 products. Beautiful and simple, XVR4.0 ensures perfect display.

- Color schemes, flat interface, and visual icons present a user-friendly experience
- Integrated functional modules and logic to simplify user operation and enhance product competitiveness



1 Navigation bar

Live view, User, Logout, QR code.

2 Business module

Video, Alarm, IVS, etc. and support page turning

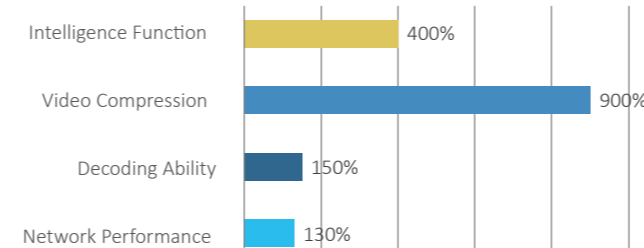
3 Management module

Camera, Network, System and other settings

Powerful Performance

HDCVI-H.265 series products adopt upgraded processor chips for high-performance.

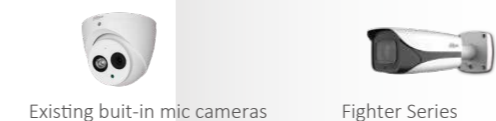
- Supports max 4 channels of intelligent video surveillance
- H.265+ saves up to 90% storage space per day
- Stronger decoding ability provides smoother playback
- Supports max N+N channels IPC access; each channel up to 8MP input



Broadcast-quality Audio

Dahua is the only company with technology that supports audio signal transmission over coaxial cable. Now, with newly released optimized transmission technology, audio is converted to digital signal in the camera and then transmitted to the XVR, vastly enhancing audio quality.

- Lossless transmission without noise enables more enjoyable audio experience
- Self-adaptive support of normal coaxial audio and broadcast-quality audio to simplify operation



H.265 XVR



Broadcast-quality Audio



Ordinary coaxial audio

Full Compatibility

Switching from H.264 to H.265 in a cost-efficient way while ensuring device compatibility is one of the major considerations of analog system users. H.265+ features full compatibility, allowing users to achieve a seamless upgrade by simply replacing the storage device.

- Backwards compatible with existing cameras to protect your investment
- Supports video decoding with H.265+, H.265, H.264+, or H.264 compression; no additional configuration required
- Supports all kinds of H.265 encoding-based platforms, giving you more choices



RECOMMENDED MODELS

XVR7108E-4KL-B-X



- 8 channels up to 4K@7fps/4MP@15fps encoding
- H.265+/H.265/H.264+/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 16 channels of IPC access, each channel up to 8MP input
- 1 SATA port, each up to 10TB capacity
- Exclusive management modules including IoT/POS
- Redundant battery operates device for one hour during power outages

XVR7104E-4KL-X



- 4 channels up to 4K@15fps/4MP@30fps encoding
- H.265+/H.265/H.264+/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 8 channels of IPC access, each channel up to 8MP input
- 1 SATA port, each up to 10TB capacity
- Exclusive management modules including IoT/POS

XVR7208A-4K-X



- 8 channels up to 4K@15fps/4MP@30fps encoding
- H.265+/H.265/H.264+/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 16 channels of IPC access, each channel up to 8MP input
- 2 SATA ports, each up to 10TB capacity
- Exclusive management modules including IoT/POS

XVR7208/16A-4KL-X



- 8/16 channels up to 4K@7fps/4MP@15fps encoding
- H.265+/H.265/H.264+/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 16/32 channels of IPC access, each channel up to 8MP input
- 2 SATA ports, each up to 10TB capacity
- Exclusive management modules including IoT/POS

XVR5108/16H-4KL-X



- 8/16 channels up to 4K@7fps/4MP@15fps encoding
- H.265+/H.265/H.264+/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 12/24 channels of IPC access, each channel up to 8MP input
- 1 SATA port, each up to 10TB capacity

XVR5232AN-X



- 32 channels up to 4M-N/1080P@15fps encoding
- H.265+/H.265/H.264+/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 32 channels of IPC access, each channel up to 6MP input
- 2 SATA ports, each up to 10TB capacity

XVR5108/16HS-X



- 8/16 channels up to 4M-N/1080P@15fps encoding
- H.265+/H.265/H.264+/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 12/24 channels of IPC access, each channel up to 6MP input
- 1 SATA port, each up to 10TB capacity

XVR4116HS-X



- 16 channels up to 1080N/720P@15fps encoding
- H.265/H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max. 18 channels of IPC access, each channel up to 6MP input
- 1 SATA port, each up to 10TB capacity

ENABLING A SAFER SOCIETY AND SMARTER LIVING

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* Design and specifications are subject to change without notice.

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