


One Step to HD ANALOG

HDCVI Must-knows



• Design and specifications are subject to change without notice.

HDCVI Academy 



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About HDCVI



Dahua in-house technology – High Definition Composite Video Interface (HDCVI) is an over-coaxial-cable analog HD video transmission standard, allowing reliable long-distance HD transmission at lower cost, while complex deployment is applicable. With more than 10 million loyal supporters from 150 countries globally, HDCVI, now is leading the HD innovation.



→ High Definition

High definition at 1080P & 720P.

→ Long-distance Transmission

New generation HDCVI technology guarantees high-quality and reliable transmission at incredibly long distance. Specifically, 1200m for 720P and 800m for 1080P via RG6 coaxial cable, 800m for 720P and 500m for 1080P via RG59 coaxial cable. With CAT6 UTP cable, the transmission distance for 720P is up to 450m and that for 1080P is up to 300m.

→ 3 Signals over 1 Coaxial Cable

Video, audio and control signals are composited together and transmitted over one coaxial cable, which further simplifies the installation.

→ In-house HDCVI Chipset

Dahua HDCVI chipset consists of transmitting chip and receiving chip, which could be applied in fiber optic transceiver, distributor and matrix in addition to HDCVI cameras and HCVRs.

→ Seamless Upgrade

The current users of analog surveillance systems can easily upgrade the analog system to HDCVI system at a low cost. HDCVI, an in-house proven technique, is now leading the users to a brand new full HD era.

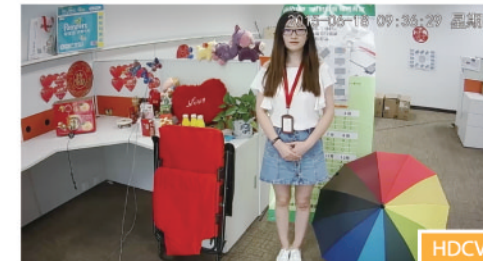


Find more information at HDCVI Academy: <http://www.dahuasecurity.com/hd cvi/>

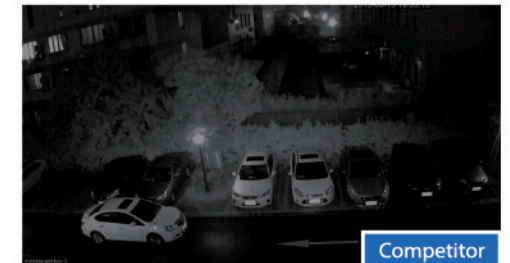


HDCVI Testing from Dahua Lab

Daytime>



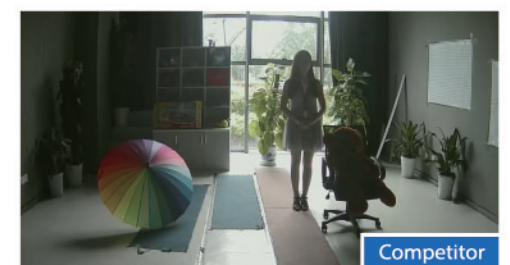
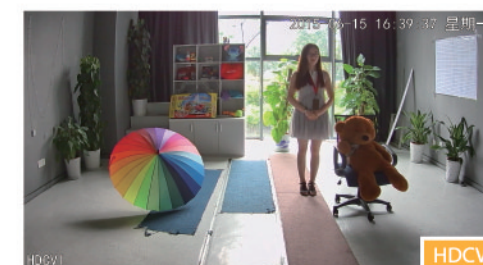
Low Light Condition >>



Long Distance Transmission >>



Wide Dynamic Range >>





Question & Answer

Q1

I heard that other solutions are better than HDCVI, is that true?

HDCVI is a proven technique which went through more than 20 months of market challenge while other similar technologies hastened their new-born baby in less than 1 year. Moreover, HDCVI owns independent intellectual property rights and has been recognized by world-class awards, such as Best of Camera PROTECTOR Award 2014, Gold Excellence Award 2014 of CPSE, Finalist for GIT SECURITY AWARD 2015 and Finalist of Benchmark Innovation Award. As for the transmission distance, HDCVI supports up to 1200m over coaxial cable and 450m over UTP, which surpasses other technologies' 500m over coaxial cable and 200m over UTP. Besides, HDCVI shows great advantages in resolution.

Q2

Does Dahua keep CVI chipset in proprietary and not open for third parties?

As a matter of fact, we not only sell chipset but also provide protocols and interfaces to partners for their second development. Until now, we have over 200 partners around the world using HDCVI chipset.

Q3

Does HDCVI have a patent?

Dahua HDCVI has 5 authorized domestic patents already and other relevant overseas patents in the sight, more information can be tracked at <http://www.sipo.gov.cn/zljsfl/> and <http://www.soopat.com/>, while other solutions might encounter patent risks in terms of their technology background.

Q4

I used to buy analog cameras and DVRs, and they worked very well. Why even bother to buy HDCVI products?

As analog system is no longer able to provide you Hi-Q images, using HDCVI products to replace analog products will be an inevitable trend. HDCVI features high resolution at 720P & 1080P. However, the cost of some entry-level HDCVI solutions is as same as analog products.

Q5

Is HDCVI 2.0 compatible with the old generation system?

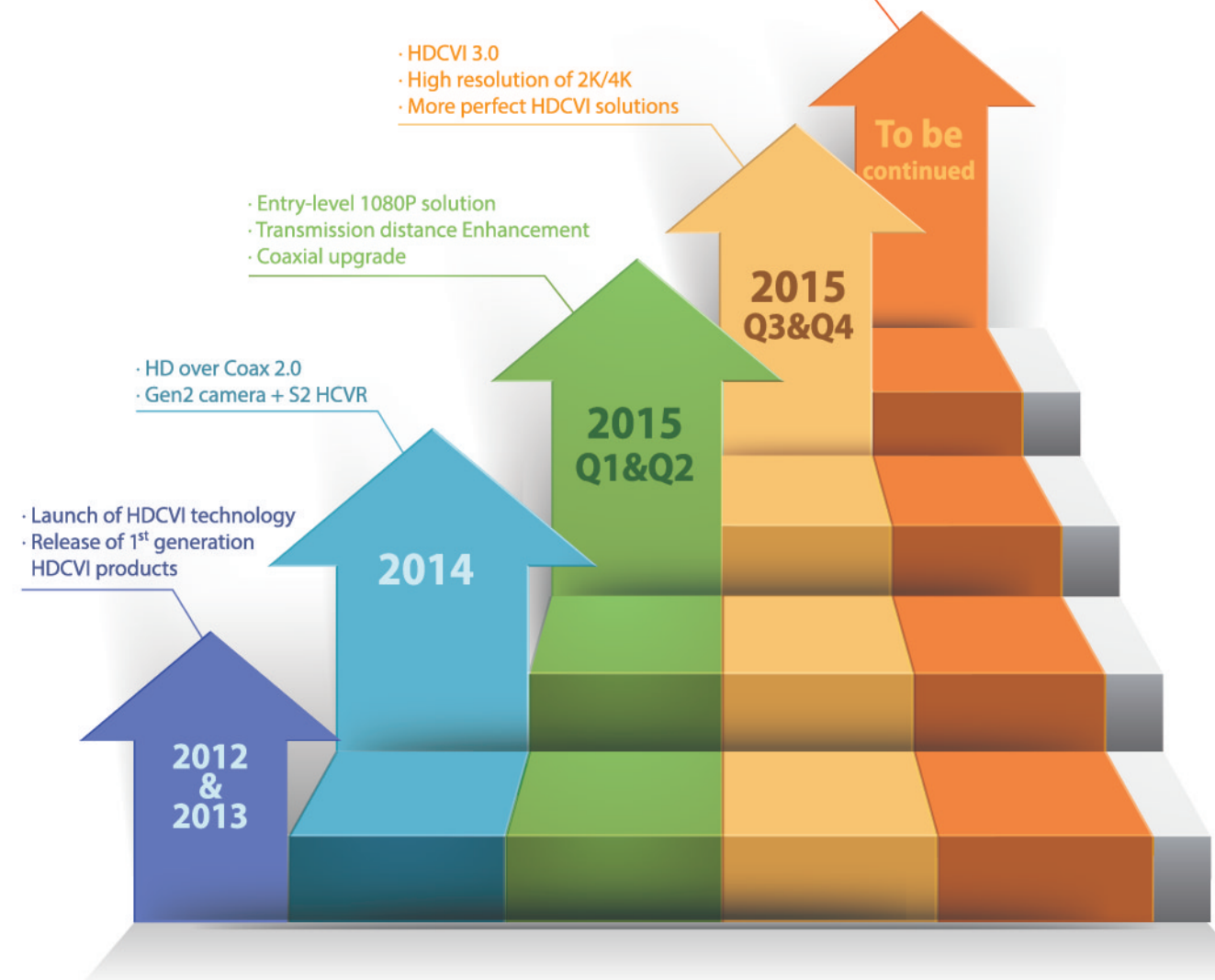
Yes, it is. The whole Dahua HDCVI family is highly compatible with the old products and the new version, even HDCVI 3.0 in the future. You can upgrade your HDCVI system to the most advanced stage as you wish at any time. Besides, we provide a variety of complete solutions with high performance at a reasonable cost for your choice.



Roadmap



2K/4K Mass production





Featured Products

PTZ Dome >>



SD6C220K/230K-HC
2Mp Full HD 20x/30x
HDCVI IR PTZ Dome Camera



SD59212K/220K/230K-HC
2Mp Full HD 12x/20x/30x
HDCVI IR PTZ Dome Camera



SD22204K-GC
2Mp Full HD 4x
HDCVI Mini PTZ Dome Camera

Camera >>



HFW3220E-Z
2.4Mp 1080P Water-proof
HDCVI IR-Bullet Camera



HDW2220/2120R-Z
2.4Mp/1.4Mp 1080P/720P Water-proof
IR HDCVI Dome Camera



HFW1200/1100/1000S
2Mp/1Mp 1080P/720P Water-proof
HDCVI IR-Bullet Camera

HCVR >>



HCVR7204/7208A-S2
4/8CH Tribrid 1080P 1U HDCVI DVR



HCVR5104/5108/5116H-S2
4/8/16CH Tribrid 720P-Pro Smart 1U HDCVI DVR



HCVR4104/4108/4116HS-S2
4/8/16CH Tribrid 720P-Lite
Compact 1U HDCVI DVR

Accessory >>



PFO2910
16CH HDCVI
Optical Transceiver



PFT2690
HDCVI Video
Distributor



TP2105
HDCVI Video
Converter



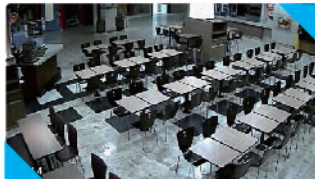
PFM800
Passive HDCVI
Balun



PFM900
Integrated Mount
Tester



Case Study



Senai Training Institution Brazil

Senai (Olimpiada do conhecimento) is Brazil's famous local vocational and technical training institution. It was secured with Dahua in-house HDCVI solution.



Indian Bank

Cameras are applied at lobbies and entrances to provide 24/7 non-stop reliability with clear image delivered at every second.



Mexico City Bus Line 2

The project is implemented with Dahua HDCVI solution by providing real-time high definition video and accessibility through internet, which made centralized video administration possible.



Partner Community

As a key market player, Dahua advocates product interoperability and always persists in providing the world's leading HD-over-coax solution. Since its official launch in October 2013, over 200 global partners have joined Dahua HDCVI Academy, aiming to jointly accelerate HD development.

