HD analog is quickly becoming the mainstream of analog video. By 2018, over 90% of analog cameras will be HD analog (according to a 2016 IHS report). Dahua led the industry with its introduction of HDCVI Technology in 2012, and continues to solidify its technological leadership by bringing state of the art technologies geared towards enhancing resolution, light sensitivity, intelligence, and usability to the HDCVI community. With its commitment to further revolutionizing the HD Analog industry, Dahua Technology has launched HDCVI 4.0 in 3 phases throughout 2017.

HDCVI 4.0 4K

HDCVI 4.0 4K
Superior video capture with up to 8MP resolution

HDCVI 4.0 IoT
Integrated multi-dimensional sensing (Internet of Things)

HDCVI 4.0 AI
Transform HDCVI video into searchable structured content (Artificial Intelligence based on deep learning)

Ultra High Definition

The image sensor is the key component of a clear and vivid picture. HDCVI 4.0 cameras adopt large image sensors with a super CMOS image surface to ensure high quality video performance even over existing coaxial infrastructure.

- Up to 4/3" sensor ensures ultra-low sensitivity and a wider field of view.
- 8 megapixels provide superior clarity to distinguish minor details.

Panoramic

The new HDCVI 4K series offers panoramic cameras to be used over existing coaxial cable infrastructure for the first time ever, enabling a cost-effective solution for large area surveillance with a simple upgrade from legacy infrastructure.

- Multi-sensor model offers 180° panoramic view & simultaneous 3x2MP images.
- 8MP Fisheye with 360° panoramic view and 10 dewarping modes on XVR or VMS is the perfect choice for large area surveillance.

Starlight+

Performance under low illumination is a common challenge faced by the surveillance industry. The HDCVI 4K series adopts an up to 4/3" large sensor and advanced image processing technology to ensure high performance even under ultra-low light conditions.

- Large aperture combined with big pixel size (4.63µm) ensures Starlight+ performance.
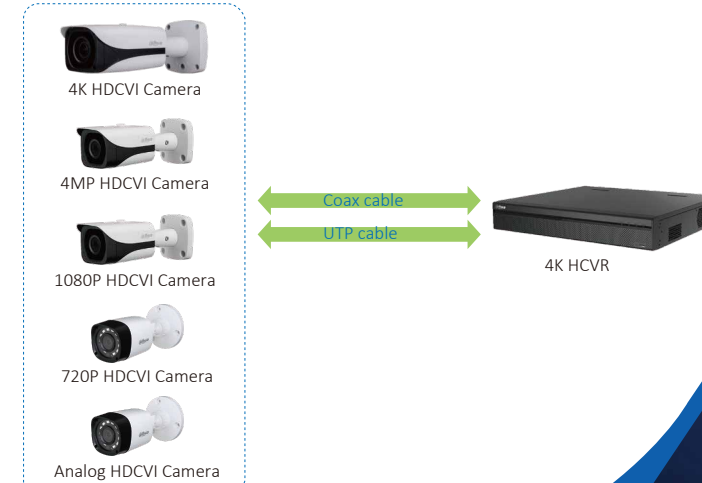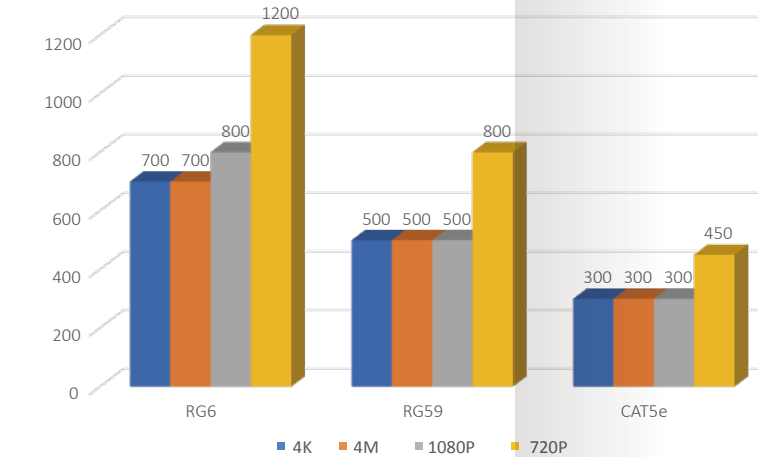- Excellent full color image quality even under low illumination.

NORMAL

▲ Normal   ▲ Starlight+

Seamless Upgrade

The goal of HDCVI is to enable you to upgrade existing coaxial infrastructure and protect your investment while being able to enjoy the newest technologies and innovations. The new HDCVI 4K series supports multi-signal transmission, plug & play, and backward compatibility to ensure the sustainability of traditional analog systems.
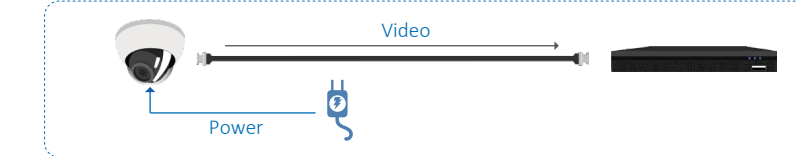
- Video/Audio/Data/Power: 4 signals over one cable, greatly simplify installation and maintenance.
- Up to 500m 4K video transmission over RG59 cable achieves a seamless upgrade from existing analog infrastructure with no additional wiring or re-cabling required.
- Backward compatible with existing cameras to protect your investment.
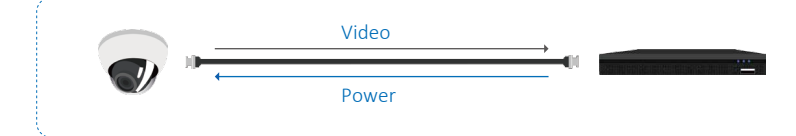
PoC

PoC (Power over Coax) transmits both video and electrical power over a single coaxial cable. HDCVI PoC technology further simplifies HDCVI system deployment, reducing time and cost.

Conventional System:

Video

Power

PoC System:

Video

Power

- Eliminates the need for camera power supplies, saving equipment and installation costs.
- Consistent power supply enhances system reliability, reducing maintenance costs.
- Auto identification and quick power-off mechanism guarantees operational safety.

Power Consumption	≤6W		≤12W	
Resolution	1080P	4MP	1080P	4MP
Transmission Distance	400m	300m	400m	TBC

Chart (RG6, RG59, CAT5e):
- RG6: 4K=700, 4M=700, 1080P=800, 720P=1200
- RG59: 4K=500, 4M=500, 1080P=500, 720P=800
- CAT5e: 4K=300, 4M=300, 1080P=300, 720P=450

Legend: ■ 4K ■ 4M ■ 1080P ■ 720P

4K HDCVI Camera
4MP HDCVI Camera
1080P HDCVI Camera
720P HDCVI Camera
Analog HDCVI Camera

Coax cable
UTP cable
4K HCVR

RECOMMENDED MODELS

DH-HAC-HF3805G

- 4/3" 8MP prime sensor provides ultra-sensitivity and wider FOV
- 4K Starlight+ performance for superior clarity day & night
- Standard M43 mount, compatible with AF lenses
- HDMI out for direct previewing & recording
- Multi-interface, alarm in & out, audio in
- Industrial thermal design ensures stability
- DC 12V & AC 24V input

DH-HAC-PFW3601-A180

- 180° panoramic view, stitched by Dahua's advanced algorithm
- 4ch simultaneous HDCVI output (1 Pano+3 Individual)
- 4K/4MP HDCVI panoramic output
- Pano+Zoom mode with e-scan feature
- Max. 20m IR range, Smart IR
- IP67 weather-proof & IK10 vandal-proof
- Multi-interface, alarm in & out, audio in
- DC 12V or AC 24V input

DH-HAC-HDBW2231R-Z-POC

- 1/2.8'' 2MP STARVIS™ CMOS
- PoC/DC12V±25%, Max. 8.8W
- Power Output: DC12V, Max. 2W
- Starlight, 120dB true WDR, 3DNR
- HD and SD output switchable
- 2.7-13.5mm motorized lens
- IP67, IK10, CE, FCC, UL

DH-HAC-HFW1400S-POC

- 1/3'' 4MP CMOS
- PoC/DC12V±25%, Max. 4.6W
- HD and SD output switchable
- 2.8/3.6/6mm fixed lens
- IP67, CE, FCC, UL

DHI-HCVR7104/08H-4K
DHI-HCVR7204/08AN-4K

- 4/8ch, up to 4K@15fps encoding on all channels
- H.264+ smart codec saves up to 70% storage
- 4K HDMI output, point to point display for 4K UHD cameras
- HDMI/VGA dual output
- Backward compatible with all existing HDCVI cameras
- Max. 4+2/8+4 channels IP inputs (up to 8MP)
- 1/2 SATA, 1*1000Mbps Ethernet port
- IVS and face detection functions supported

DHI-XVR5000-4KL-8P/16P

- Built-in PoC module, all channels support PoC cameras
- PoC Capacity: Max. 48W total & max. 12W for each channel
- H.264+/H.264 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Smart search and IVS
- Supports audio & alarm over coaxial cable

ENABLING A SAFER SOCIETY
AND SMARTER LIVING

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