

What is HDCVI™ ?

HDCVI™ (High Definition Composite Video Interface) is an over-coaxial-cable analog HD video transmission standard which developed in-house. The technology renders two HD video formats—1920H (1920×1080) & 1280H (1280×720) by progressive scanning.



Technical Highlights

- » **HD Video format**
- » **Analog Modulation**
- » **Transmission over coaxial cable**
- » **Auto Compensation & Long range transmission**
- » **Composite video/audio/PTZ signals**
- » **Two-way data transmission**

HDCVI™ Analog HD Solution

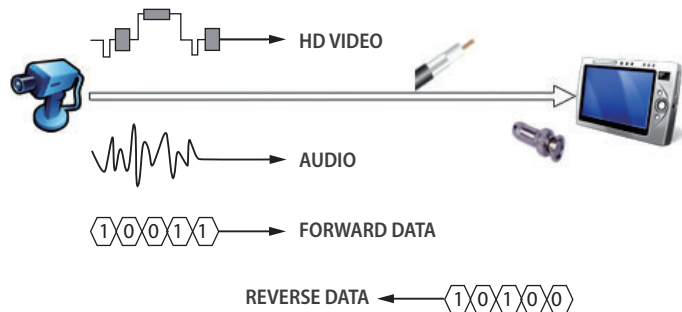
An Introduction to HDCVI™ Solution

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Technical Highlights

- **HD Video format**
1920H(1920×1080) & 1280H(1280×720)
- **Analog Modulation**
Uncompressed and crosstalk-free
- **Transmission over coaxial cable**
Reliable and non-latency point-to-point transmission
- **Auto Compensation & Long range transmission**
1280H(1280×720): 500m via Φ75-3, 650m via Φ75-5
1920H(1920×1080): 300m via Φ75-3, 400m via Φ75-5
- **Composite video/audio/PTZ signals**
HDCVI™ composites video, audio and PTZ signals together and have them transmitted over coaxial cable.
- **Two-way data transmission**

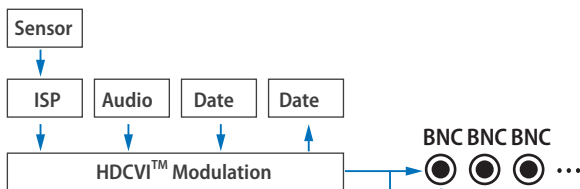


What HDCVI™ Brings?

- Upgraded to analog HD seamlessly with **Low-cost and simple installation value-added solution**. Go after the conventional analog system topology and give a full consideration to users' operation habit.
- **Megapixel & uncompressed image quality** —1920H (1920×1080) & 1280H (1280×720)
- **Long range & non-latency reliable video transmission** without additions of relay devices.
- **Strong anti-interference capability & solid interface protection**. Free of high-frequent electromagnetic radiation; constant signal transmission and display without problems as frame drop and lock loss occurred.
- **An open analog HD transmission system established and evolved industry chain** developed to sustainably improve the technical standard.

Diagram 1

• HDCVI™ Camera



• HDCVI™ DVR

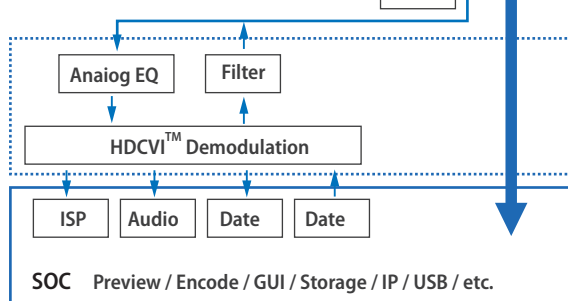
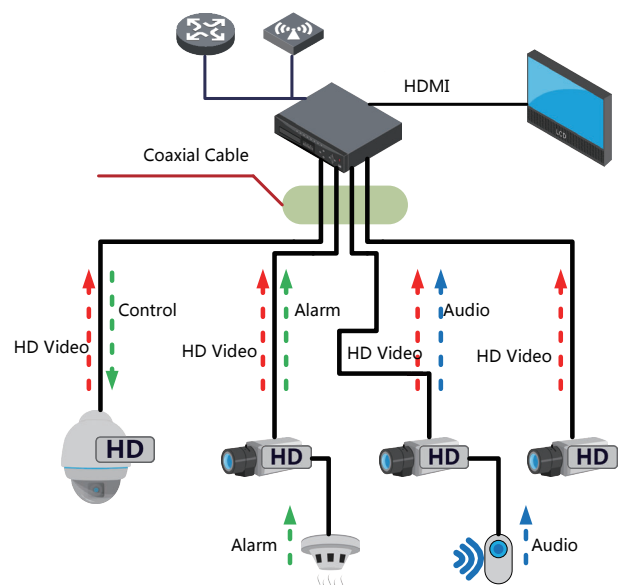






Diagram 2



HDCVI™ Analog HD Solution

4/8-ch 1920H/1280H HDCVI™ DVR





Technical Specifications

Model		DH-DVR0404HDC-SF	DH-DVR0804HDC-SF	DH-DVR0404HDC-S	DH-DVR0804HDC-S
					
System	Main Processor	Embedded processor			
	Operating System	Embedded LINUX			
Video	Input	4 channel, HDCVI™	8 channel, HDCVI™	4 channel, HDCVI™	8 channel, HDCVI™
	Standard	NTSC / PAL			
Audio	Input	4 channel (HDCVI™ or extra BNC)	8 channel (HDCVI™ or extra BNC)	4 channel (HDCVI™ or extra BNC)	8 channel (HDCVI™ or extra BNC)
	Output	1 channel, BNC			
	Two-way Talk	1 channel Input, 1 channel Output, BNC			
Display	Interface	1 HDMI, 1 VGA, 1 TV, BNC			
	Resolution	1920×1080, 1280×1024, 1280×720, 1024×768, 800×600			
	Display Split	1/4	1/4/8/9	1/4	1/4/8/9
	Privacy Masking	4 rectangular zones (each camera)			
	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording			
Recording	Video/Audio Compression		H.264 / G.711		
	Image Resolution		1920H (1920×1080), 1280H (1280×720), D1(704×576 / 704×480) 1280H (1280×720), D1(704×576 / 704×480)		
	Record	Main Stream	1920H (1~25/30fps)		1280H (1~25/30fps)
		Extra Stream	D1(1~25/30fps)		
	Bit Rate		768~8192Kb/s		
	Record Mode		Manual, Schedule(Regular(Continuous), MD, Alarm), Stop		
	Record Interval		1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec		
Video Detection & Alarm	Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer & Screen tips			
	Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank			
	Alarm Input	8 channel			
	Relay Output	5 channel			
Playback & Backup	Sync Playback	1/4			
	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search			
	Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom			
	Backup Mode	USB Device / Internal SATA burner/ Network			
Network	Ethernet	RJ-45 port (10/100M/1000M)			
	Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, Alarm Server			
	Max. User Access	20 users			
	Smart Phone	iPhone, iPad, Android, Windows Phone			
Storage	Internal HDD	8 SATA ports (8HDDs or 6HDDs+1CD/DVD-RW), up to 32TB			
	External HDD	1 eSATA port (Max 4 SATA HDDs), up to 16TB			
Auxiliary Interface	USB Interface	4 ports (2 Rear), USB2.0			
	RS232	1 port, For PC communication & Keyboard			
	RS485	2 port, For PTZ control			
General	Power Supply	220V±10%, 50Hz±2% / 110±10%, 60Hz±2%			
	Power Consumption	25W~40W (without HDD)			
	Working Environment	-10 ~+55°C / 10~90%RH / 86~106kpa			
	Dimension(W×D×H)	2U, 440mm×460mm×89mm			
	Weight	6.5KG(without HDD)			

HDCVI™ Analog HD Solution

2Mp/1Mp HDCVI™ Camera

Technical Specifications

Model	DH-HAC-HF3200P/N	DH-HAC-HFW3200CP/N	DH-HAC-HF3100P/N	DH-HAC-HFW3100CP/N
				
	2MP 1920H HDCVI™ Camera		1MP 1280H HDCVI™ Camera	
Effective Pixels	1920(H)×1080(V)		1280(H)×720(V)	
Basic Functions	White Balance, Electronic Shutter, AGC, Auto Iris, Auto Exposure			
Video Output	HDCVI™, 960H, D1(Auxiliary Video)			
D&N(ICR)	•	•	•	•
Max. IR LEDs Length	×	30m	×	30m
Image Sensor	1/2.8"2Megapixel Exmor CMOS		1/3"1.3Megapixel PS Aptina CMOS	
Lens	C/CS	F1.4, 2.8~12mm	C/CS	F1.4, 2.8~12mm
Iris Type	Auto/Manual	Auto	Auto/Manual	Auto
OSD	•	•	•	•
DWDR	•	•	•	•
3D-NR	•	•	•	•
Slow Shutter	•	•	•	•
Audio	•	•	•	•
Auxiliary Video	×	•	×	•
Ingress Protection	×	IP66	×	IP66
Backlight Compensation	•	•	•	•
Flip	•	•	•	•
Brightness	•	•	•	•
Sharpness	•	•	•	•
saturation	•	•	•	•
Hue	•	•	•	•
Motion Detection	•	•	•	•
Alarm Output	•	•	•	•
Gamma correction curves	16	16	16	16
Digital Zoom	10x	10x	10x	10x
Privacy Masking	8	8	8	8
Protocol	PelcoD/P, DAHUA	PelcoD/P, DAHUA	PelcoD/P, DAHUA	PelcoD/P, DAHUA
Power Supply	AC24V/DC12V	AC24V/DC12V	AC24V/DC12V	AC24V/DC12V
Working Temperature	-10~60℃	-30~60℃	-30~60℃	-30~60℃

Please go to www.dahuasecurity.com & www.hdcvi.com for more information.

Design and specifications are subject to change without notice.

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