ANALOGUE HD ⚙

AX-A3004CH1-S

4CH Hybrid Video Recorder

4 Signals over 1 Coaxial Cable

HD-over-Coax technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio*, data and power. Dual-way data transmission allows the HD-over-Coax camera to interact with the HCVR, such as sending control signal or triggering alarm. Moreover, HD-over-Coax technology supports PoC for construction flexibility.

Long Distance Transmission

HD-over-Coax technology guarantees real-time transmission at long distance without any loss. It supports up to 800m(1080P)/1200m(720P) trans mission via coaxial cable, and up to 300m(1080P)/450m(720P) via UTP cable.

Smart IR

The camera is designed with microcrystalline LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. The unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

Multi-formats

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with not only HCVRs but also most end users' existing HD/SD DVRs.

FEATURES

- Support Analog/AHD/CVI/TVI 2.0/TVI 3.0/Network

- Input:4CH BNC

- Support Human Detection

- Support H.265/H.264 Video Compression

- 1 SATA Hard Disk (3.5/"2.5"SATA, Up to 8TB)

- Support a variety of Language

| HD | STARLIGHT | H.+265 HEVC | WDR | IR | IP67 |

TECHNICAL SPECIFICATION

SYSTEM

	AX-A3004CH1-S
Main Processor	MC6630
Operating System	Embedded LINUX

VIDEO

Input	4CH BNC
Electronic Shutter	Analog/AHD/CVI/TVI 2.0/TVI 3.0/Network
Output	1HD,1 VGA
Input	Normal Mode: Analog: 4*(TVI/AHD: 5M@12fps; AHD/TVI/CVI: 4M@15fps; AHD/TVI: 3M@18fps; AHD/TVI/CVI: 1080P/720P; Analog: 960H) Analog+Network: 2*Analog(TVI/AHD: 5M@12fps; AHD/TVI/CVI: 4M@15fps; AHD/TVI: 3M@18fps; AHD/TVI/CVI: 1080P/720P; Analog: 960H)+4*network(MAX 2MP) Network: 9*5MP/4MP/3MP/1080P/960P/720P(Total incoming bandwidth ≤48M)

AUDIO

Input	1 Channel, RCA, ,support AOC
Two-way Audio	NO
Output	1 Channel, RCA

ALARM

Sensor Input	NO
Output	NO
Motion Detection	4 Channel(max 9 Channel in pure network mode)
Trigger Events	Recording, Email, Screen tips, Buzzer, Push notifications(motion detection)
Email Alarm	Send Image to The Designated E-mail

AI FUNCTION

Human Detection	YES

PTZ

Interface	RS485
Protocol	Pelco-D, Pelco-P
Baud Rate	110~921600
Address	0~255

Display

VGA	Resolution:1920 × 1080P/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,1024 × 768/60Hz
HD Output	Resolution:1920 × 1080P/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,1024 × 768/60Hz
Display Split	9 Channel/4 Channel / 1Channel
Privacy Masking	3 Rectangular Zones (Each camera)
OSD	Camera title, Time, Video loss, Alarm, Motion detection, Recording

TECHNICAL SPECIFICATION

RECORDING

Video Compression	H.265/H.264
Audio Compression	G.711U/G.711A
Video Compression	5MP_Lite(1296×1952),4MP_Lite(1280×1440),3MP_Lite(1024×1536),1080N(960×1080),720P(1280×720),960H(960×480)
Audio Compression	Lowest/Low/Ordinary/Good/Better/Best
Record Rate	Analog: PAL:5MP_Lite(1296×1944 4*8fps),4MP_Lite(1280×1440 4*15fps),3MP_Lite(1024×1536 4*= 18fps), 1080N(960x1080 4*18fps), 720P(1280×720 4*20fps), 960H(960×480 4*25fps) NTSC: 5MP_Lite(1296×1944 4*8fps),4MP_Lite(1280×1440 4*15fps),3MP_Lite(1024×1536 4*18fps),1080N(960x1080 4*18fps), 720P(1280×720 4*20fps), 960H(960×480 4*30fps) Pure IP(H.265): PAL: 5MP@8×25fps,4MP@9x25fps,3MP@9×25fps,1080P@9×25fps,960P@9×25fps,720P@9×25fps,D1@9×25fps NTSC: 5MP@8×30fps,4MP@9×30fps,3MP@9×30fps,1080P@9×30fps, 960P@9×30fps, 720P@9×30fps, D1@9×30fps
Audio Compression	Manual\Timer\Motion Detection\Intelligent

PLAYBACK & BACKUP

Decode Capability	2CH 1080P@30fps
Remote Playback	1 Channel
Search Mode	ALL, Channel, Manual, Time, Date, Motion Detection
Search Mode	Pure Analog: 4CH 960H@25fps, 2CH 720P@20fps, 2CH 1080N@18fps, 1CH 5M_LITE@8fps, 1CH 4M_LITE@15fps, 1CH 3M_LITE@18fps Mixture mode: 4CH 720P@25fps, 2CH 1080P@25fps, 1CH 5M_LITE@8fps, 1CH 4M_LITE@15fps, 1CH 3M_LITE@18fps Pure Network: 4CH*720P@25fps, 2CH 1080P@25fps, 1CH 5MP@25fps
Playback Functions	Play, Pause, Stop, Fast play, Slow play, Rewind, Single frame forward/back, Digital Zoom, Full screen
Smart Phone Playback	4 Channel
Backup Mode	USB Device(with fomat FAT 32)/Network/FTP

NETWORK

Interface	1 RJ10 45M/100M Adaptive Ethernet Interface
DDNS	Dyndns, changeip, no-ip, Oray, A-PRESS, MYQSEE, SKDDNS, SMART-EYES, ZEBEYE,HDPROVN
Network Functions	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP,DHCP, FTP, DDNS, RTP, RTSP, RTCP
Web Browser	Edge,IE11-8, Google Chrome , Firefox ,Safari
CMS Software	Support Windows 7/ Windows 8/Windows 10/Windows 11/MAC OS
Extra Stream	CIF/D1(1~25fps)
Smart Phone	iPhone, ipad, Android ,Android pad

HARD DISK DRIVER

Interface Type	1 SATA Interface
Capacity	1 SATA Hard Disk (2.5"/3.5" SATA, Up to 8TB)

GENERAL

Language	Simplified Chinese,Traditional Chinese, English, Polish, Czech, Russian, Thai, Hebrew, Arabic, Bulgarian, Japanese, German, French, Portuguese, Turkic, Spanish, Italian, Hungarian, Romanian, korean, Dutch, Greek, Vietnamese,
UTC Control	YES
USB Interface	2 USB 2.0 Interfaces
Power consumption	DC 12V/2A ≤20W (Without Hard Disk)
Working Environment	°10~55℃ /10~90%
Dimension (W×D×H)	260*215*43(mm)
Weight	2kg (Without HDD)