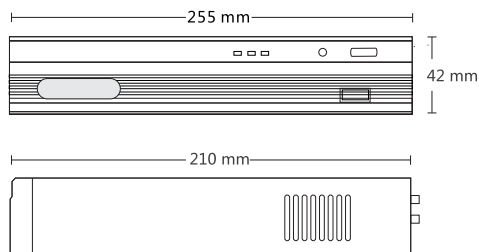| HD | H.264 | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail |

Introduction

These **IMPAQ AHD DVR** are standard 4 / 8 CH 1080P high definition hybrid DVRs with ability to connect analog and IP cameras simultaneously, which adopt the standard H.264 high profile compression format and the most advanced SOC technique to ensure real time recording in each channel and realize outstanding robustness of the system. **IMPAQ AHD DVR** support 4 / 8 CH video input, 4 CH audio input, simultaneous 4 / 8 CH real time playback. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

Characteristics

- 4 / 8 CH AHD video input, 4 / 8 CH 1080P / 720P / HD CIF recording
- 4 CH DVR supports 1 CH IPC 1080P / 960P / 720P / WD1 / D1 recording
- 8 CH DVR supports 4 CH IPC 3MP / 1080P / 960P / 720P / WD1 / D1 recording
- Adopt standard H.264 high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphics User Interface (GUI), window style operation by mouse
- Multi-mode recording: manual / timer / motion / sensor
- Playback : 4 / 8 CH simultaneously playback
- Search: time / calendar, events (sensor, motion)
- Express and flexible backup via USB, network
- Pentaplex: preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol, IE browse and CMS supported
- Remote control via IE or CMS : preview, playback, backup, PTZ and configuration
- Dual stream technology to encode recording stream and network stream respectively. User can adjust network stream to fit bandwidth without changing recording quality
- Multi-user online simultaneously
- Authorization management, log review and device status review
- HDMI 1080P output, true high resolution display
- Support PTZ preset and auto cruise, up to 128 presets and 8 cruises
- Powerful smart phone surveillance supporting iPhone, Android
- Support NAT funtion, support QR code scanning by mobile phone
- Complete SDK software available, easy to integrate with other applications

Dimensions

255 mm
210 mm
42 mm

Specification

Model		IAHD-R04210XT	IAHD-R08210XT
System	Compression	Standard H.264 High Profile	
	CPU	Cortex A9	
	OS	Embedded Linux	
Video	Input	BNC x 4	BNC x 8
	IP Input / Access Bandwidth	IPC x 1 / 6Mbps	IPC x 4 / 24Mbps
	Output	HDMI x 1 : 1920 x 1080 / VGA x 1 : 1920 x 1080 BNC x 1 : used as the main output or spot output	
Audio	Input	RCA x 4	
	Output	RCA x 1	
	2-way audio	Take up channel one audio input	
Record	Resolution	1080P : 1920 x 1080, 720P : 1280 x 720, HD CIF	
	Frame Rate 1080P	50 fps (PAL) 60 fps (NTSC)	100 fps (PAL) 120 fps (NTSC)
	Frame Rate 720P/HD CIF	100 fps (PAL) 120 fps (NTSC)	200 fps (PAL) 240 fps (NTSC)
	Bit rate	1M ~ 4Mbps	
	Encode	VBR / CBR	
	Quality	6 Level	
	Mode	Manual, timer, motion, sensor	
	File manager	Lock, unlock, reserving time	
IP Input	Resolution	1080P / 960P / 720P / WD1 / D1	3MP / 1080P / 960P / 720P / WD1 / D1
	Frame Rate 3MP	--	48 fps (PAL) 60 fps (NTSC)
	Frame Rate 1080P	12 fps (PAL) 15 fps (NTSC)	100 fps (PAL) 120 fps (NTSC)
	Frame Rate 960P/720P	25 fps (PAL) 30 fps (NTSC)	100 fps (PAL) 120 fps (NTSC)
Play back	Playback	4 CH	8 CH
	Search	Time / calendar search, event (sensor, motion)	
	Smart Search	Highlighted date and time to display the channel record	
	Function	Play, Pause, FF, FB, Digital zoom	
Alarm	Mode	Sensor, motion, video loss	
	Input	4 CH	
	Output	1 CH	
	Triggering	Record, PTZ move, alarm out, e-mail, etc	
Network	Interface	RJ45 10M/100M adaptive ethernet network port x 1	
	Protocal	TCP / IP, UDP, DHCP, DNS, PPPOE, DDNS	
	Others	10 users online, dual stream	
Cell phone	OS	iPhone, Andriod	
	Function	Multi-screen surveillance (for certain model), record, snapshot, PTZ control, save the device list	
I/O	HDD	SATA x 1	
	RS485	RS485 x 1, connect to PTZ or keyboard	
	USB	USB 2.0 x 2, one for mouse, another for USB backup device	
	IR controller	Optional	
Others	Power supply	DC 12V	
	Consumption	< 6W (without HDD)	< 8W (without HDD)
	Dimensions	255 mm * 210 mm * 42 mm (W * D * H)	
	Work Environment	- 10 ℃ ~ 50 ℃ , 10 % ~ 90 % Humidity	