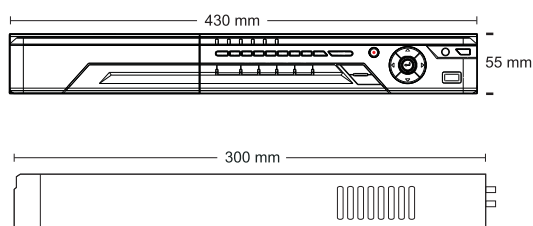| HD	H.264	DDNS	Network	PTZ	Audio	MIC	Mobile	CMS	USB	Mouse	E-mail

Introduction

IAHD-R16220XT series are standard 16 CH 1080P high resolution 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. IAHD-R16220XT support 16 CH video input, 4 CH audio input, simultaneous 8 CH real time playback. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

Characteristics

- 16 CH AHD video input, 16 CH 1080P / 720P / HD CIF recording
- Support 8 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 : 8 CH simultaneously playback
- Search: time / calendar, events (alarm, 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

- 430 mm
- 55 mm
- 300 mm

Specification

Model		IAHD-R16220XT
System	Compression	Standard H.264 High Profile
	CPU	Cortex A9
	OS	Embedded Linux
Video	Input	BNC x 16
	IP Input / Access Bandwidth	IPC x 8 / 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	200 fps (PAL) 240 fps (NTSC)
	Frame Rate 720P/ HD CIF	400 fps (PAL) 480 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	3MP / 1080P / 960P / 720P / WD1 / D1
Play back	Playback	8 CH
	Search	Time / calendar search, event (motion, external alarm)
	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 2
	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	< 12W (without HDD)
	Dimensions	430 mm * 300 mm * 55 mm (W * D * H)
	Work Environment	- 10 ℃ ~ 50 ℃ , 10 % ~ 90 % Humidity