



AHD-416ZA-T1

- **AHD DVR Three in one** : combines the functions of DVR/HVR/NVR together, multi-mode input, support 16ch 1080p for encode and 8ch 1080p for decode, support AHD + network HD video hybrid input, support full HD network video input.
- **Step on the Internet** : Can penetrate through all kinds of network icloud service, to do remote control easily & conveniently without any complicated setting.
- **Compression algorithm ideal** : Compression algorithm upgraded to H.264 Main Profile, the advanced space-time filter technique makes the code stream lowered at least 30%.
- **Playback quality** : no real-time recording synchronously (16ch 1080P 12fps encode),no real-time multi-channel playback synchronously (8ch 1080P 12fps decode)
- **Main and Sub Stream** : Support main stream and extra steam encode synchronously. Main stream is for local storage to maintain the image quality, extra stream is for network real-time transmission, to easily solve the bottleneck problem of bandwidth.
- **Mobile monitor** : Support all kinds of mobile monitor (iPhone, Windows Mobile, BlackBerry, Symbian, Android)
- **Display**,Support TV,VGA & HDMI output synchronously, make the traditional monitor display effect upside down
- **Operation interface** : similar WINDOWS operating style,powerful right button menu function of mouse, make it easy for using.
- **Network** : Powerful net service,support DHCP,PPPOE,FTP,DNS,DDNS,NTP,UPNP,EMAIL,IP authority,IP search,alarm center, etc),complete enclosure (WEB,CMS,SDK), to easily achieve interconnection.
- **Browsers** : Support multi-browser (IE,Chrome,Firefox,Safari)
- **Remote Access** : Self enclosed with DNS function (ARSP),one-key to enable remote control, and support DNS of 3322,dyndns,oray,myq-see, etc
- **Device port** : Device port:support 1 SATA port,1HDD of 4T ,2 USB2.0 port for operation of mouse control, back up, burning and upgrade,
- **Differentiation** : change boot screen freely, support more than 20 kinds of languages, more than 10 kinds of GUI interface, ten kinds of remote controller, dozens of front panel board for selection, to make different products.
- **Others** : Completed protective circuit, unique treble watchdog function, make device never crashed; special "black-box" technology to monitor the device process, greatly reduce the maintenance cost

	Model	AHD 416ZA-T1
System	Main processor	Technical grade embedded microprocessor HI 3531+3532
	Operating system	Embedded LINUX operating system
	System resource	Multi-channel real-time recording synchronously, multi-channel real-time playback, multi-channel multi-user network operation, USB back up.
Interface	Operation interface	16bit real color GUI interface support mouse operation
	Display screen	1/4/8/16 screen (take analog channel as an example, other is base on the selected channel mode)
Video	Video standard	PAL/NTSC (1080P)
	Image encode	H.264 (High Profile) ; JPEG
	Monitor quality	Monitor : D1 ; VGA, HDMI : High definition (support 1920*1080, 1280*720,1440*900,1280*1024, 1024*768, 800*600)
	Playback quality	1080P/720P/D1/HD1/CIF
	Encode capability	16*1080P(12FPS)
	Decode capability	8*1080P(12FPS)
	Multi-mode video input	AHD : 16*1080P(12FPS) ; 16*720P HVR : 2*1080P (AHD) +2*1080P (IP) 4*720P (AHD) +4*720P (IP) NVR : 1*1080P+8*720P ; 4*1080P ;
Motion detection	Each channel can set 192 (16*12) detection area ; can set multi-level of flexibility (for local analog channel only)	
Audio	Audio compression	G711A
	Bidirectional talk	support
Record and playback	Record mode	manual>alarm>motion detection>timing
	Local playback	1-9ch playback synchronously (take local analog input for example, other is depended on the selected channel mode)
	Video search	time, date, event, channel search
Storage and back up	Space occupation	Video : CIF 4~5G/day*channel, D1 16~20G/day*channel ; audio : 691.2M/day*channel
	Video storage	Local HDD , Network
	Back up mode	Network backup, USB portable HDD, USB imprint, SATA imprint
Interface	Video input	16CH BNC(1.0Vp-p,75Ω)
	Video output	1CH VGA, 1CH HDMI
	Audio input	8CH RCA
	Audio output	1CH RCA(200-3000mV,5KΩ)
	Alarm input	8CH
	Alarm output	1CH
	Network port	RJ45 10M/100M self-adaptive Ethernet port
	PTZ control	1 RS485 ; support multi kinds of PTZ protocol
	USB port	2*USB2.0
	HDD port	2 SATA ports (each max to 4TB)
	Wireless port	3G、WIFI(extension via USB port)
other	Power	12V/4A
	Consumption	<15W (not including HDD)
	Temperature	0°C- +55°C
	Humidity	10%—90%
	Atmosphere pressure	86kpa— 106kpa
	Dimension	L370*350*H66MM
	Weight	4KG

** The specification is subject to change without notice