A All New

AHD-1116

ONVIF 2.3 H.264 Digital Video Recorder

USB Mouse Control with GUI Display

FEATURES

High Definition iDVR three in one

❖ DVR/HVR/NVR, Multi-input; Supporting 4/8/16ch analogue video encode, supporting analogue +network HD video multi-input, supporting pure network video input.

Step on the Internet

❖ Remote control easily & conveniently without any complicated setting.

Compression algorithm ideal

❖ Compression algorithm upgraded to H.264 High Profile, more advanced video compression technique makes the code stream lowered at least 30%.

Playback Quality

❖ All real-time Synchronized decoding playback.

Main and Sub Stream

❖ Support main stream and extra steam encode synchronously.

❖ Main stream is for local storage, extra stream is for network real-time transmission, to easily solve the bottleneck problem of bandwidth.

Display

❖ Supporting TV, HDMI VGA, HDMI simultaneous video output, VGA, HDMI support 1080P HDMI video output

Operation interface

❖ Similarly CMS operating interface design, to let you experience easily and conveniently.

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

❖ Compatible with Internet Explorer, Mozilla Firefox, Google Chrome, Safari.

Remote Access

❖ With our own DDNS Service (ARSP), Remote operation step on the internet, Easy to use. Also support 3322, dyndns, oray, myq-see, etc.

Device port

❖ Supporting 2 SATA port, connecting with 2 4TB HDD, supporting 2*USB2.0 port, supporting USB mouse, backup, record, and upgrade, etc.

Differentiation

❖ Starting-up displays replace freely, more than 10 languages, more than 10 *GUI displays, 10* remote, dozens of front panel for choice, easily achieve differentiated products.

Others

❖ Complete circuit protection，unique triple monitoring functions to ensure device never crash；Unique black box technology to finish the whole monitoring and lower maintaining cost largely.

❖ System auto recovery after power failure

SPECIFICATIONS

Model		AHD-1116
System	Main processor	Industrial grade embedded micro controller chipset
	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.
Display	Operation interface	16 bit real color GUI interface support mouse operation
	Multilingual Language	YES, 10 kinds of language
	Display screen	1/4/8/9 screen (set pure local input mode for example, others are decided by channel mode)
Video	Video Standard	PAL/NTSC
	Image encode	H.264(High Profile)；JPEG snapshot
	Monitor quality	Monitoring：D1（not supporting）；VGA，HDMI：HDMI（supporting 1920*1080, 1280*720,1440*900,1280*1024, 1024*768、800*600）
	Playback quality	AHD-L/960H/D1/HD1/CIF
	Encode capability	16*AHD-L/960H @12fps / 16*D1 @25fps
	Decode capability	4*AHD-L（960H） @12fps/
	Multi-Input (ONVIF 2.3)	Analogue: 16*960H/16*D1/2D1+14CIF/16CIF
		Analogue+ Network HD：4*D1+4*1*1080P+3*720P Network HD： 2*1080P+2*720P / 8*720P/1*1080P+1*720P+6*960H/16*D1
Audio	Audio compression	G.711A
	Two-way communication	Support
Record and Playback	Record mode	Manual, alarm, motion detection, timing
	Local playback	1~16ch playback
	Video search	Time, date, event, channel search
Storage and Back up	Space Usage	Video CIF：4~5G/day*channel， D1：16~20G/day *channel，960H：9~42G/day*channel， 720P：10G~42G/day*channel，1080P：20G~80G/day*channel，Audio 691.2M/day *channel
	Video storage	Local Hard Disk, Network
	Back up mode	Network backup, USB portable HDD, USB DVD-RW
Interface	Video input	16ch BNC(1.0Vp-p, 75Ω)
	Video output	1ch BNC(1.0Vp-p, 75Ω)，1ch VGA，1ch HDMI
	Audio input	2 / 6ch RCA (200-2800mV,30KΩ)
	Audio output	1ch RCA(200-3000mV,5KΩ) /1ch HDMI audio output
	Alarm input	No（can extend to 4ch ）
	Alarm output	No
	Network port	1*RJ45 10/100 Base-T self-adaptive Ethernet port
	PTZ control	1*RS485 port, Support more than 20 kinds protocols.
	USB port	Support USB 2.0 port
	HDD port	Accommodates 2 SATA HDDs (2 HDD capacity up to 4TB)
	Wireless Port	3G & WIFI (Extended by USB)
User	User level	Admin / User
	User right	Users can set different permissions (How to use please refer to the manual book)
	Password protection	Yes
Remote	Remote Independent Operation	Yes
	Download records	Yes
	Remote Event Trigger Recording	Yes
	CMS	CMS Software for multiple DVR (up to 255 DVR simultaneously)
	Browser	Internet Explorer, Mozilla Firefox, Google Chrome, Safari
	Live Audio	Yes
	On-line user	Max. 10
	Mobile Surveillance	YES (supporting iPad, iPhone, BlackBerry, Windows Mobile, Symbian & Android; iPad, iPhone, Android remote playback)
	Network Protocol	DHCP, PPPOE, NTP, Email, IP Authority, DDNS, FTP, ARSP, Alarm Center, Wireless Dialing, Mobile Monitor, UPNP, Wi-Fi, RTSP, Cloud Service, PMS

SPECIFICATIONS

Alarm	Motion detection	16 × 12 grids per channel;6 adjustable parameters for accurate detection (for local analog channel only)
	Event Notification	FTP / E-Mail / PMS
	Pre-alarm Recording	Yes
	Video loss	Video loss notification
	Buzzer	Yes
Others	IR remote controller	Remotely control DVR and PTZ cameras via IR transmitter (IR receiver built-in)
	Remote control	Yes
	Cooling fan	NO
	Tour	Yes
	Power Source (±10%)	DC 12V /4A
	Power Consumption (±10%)	<10W（without HDD）
	Operating Temperature	0℃ ~ +55℃
	Operating humidity	10%－90%
	Atmosphere	86kpa－106kpa
	Dimensions (mm) **	325mm(L)* 245mm(W)* 52mm(H)
	System Recovery	System auto recovery after power failure

*The specifications are subject to change without notice.
** Dimensional tolerance: ±5mm