



## AHD1080P



- ✓ **16-CH (8-CH IP-CAM and 16/8-CH AHD Hybrid DVR)** with hexaplex operation
  - simultaneous record, live, playback, backup, control, & remote access
- ✓ **H.264 High Profile** video compression/decompression with configurable quality
- ✓ **Max record/playback capabilities:**
  - IP-CAM:** 180fps/1080p, 240fps@720p; **Analog:** 120fps@1080p, 240fps@1080p-lite/720p, 480/400fps@960H
- ✓ **Max. 60Mbps incoming bandwidth for IP-CAM**
- ✓ **Smart search** & playback
- ✓ HDMI/VGA/CVBS output with 3-D de-interlace & de-noise for **best picture quality** with resolution **up to 1920 x 1080**
- ✓ **Digital watermark**
- ✓ Up to 16 alarm inputs, Alarm set/unset, Panic
- ✓ Ethernet and **USB 3G dongle** support for remote access, with dual streaming support

### Remote

- ✓ **DVR browser utility**
- ✓ **Free DDNS** Server
- ✓ **Push alarm notification** for portable device
- ✓ Two-way audio capabilities
- ✓ **Audio broadcasting**
- ✓ Dynamic electronics maps for CMS
- ✓ Remote setup, monitoring, backup, alarm notification, & **remote software upgrade**
- ✓ **TAPCMS iPhone/iPad/Mac/Android/MS-Windows** remote software **can playback 16CH on mobile phone.**
- ✓ 1 I.E./Firefox/Chrome/App for multiple DVRs
- ✓ Configurable **HTTP/SMTP/FTP/Control/Data** port
- ✓ **Support UPnP, P2P, RTSP and QR code**
- ✓ **NFS NAS Recording Supported**
- ✓ **Free CMS Software (PS90XX)** Hyper Electronics Mapper (HEM) for Macintosh/Windows multi-site plot on Google Earth layer with **live/search/playback/configuration AVI convertor and utility software. CMS support Dual Monitor.**
- ✓ **MS-Windows/iOS/Android SDK** for the integration with different applications

Model		PS-816AHFD
System	O.S.	Embedded Linux 3.0
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
Video	Format	IP-CAM: ONVIF Profile S; Analog: NTSC/EIA or PAL/CCIR AHD or Analog
	Input	IP-CAM: Up to 8-CH 1080p/720p; Analog: Up to 16-CH AHD 1080p/Analog, BNC, 1Vp-p /75ohm
	Main monitor	HDMI*1/ VGA*1, with resolution up to 1920x1080 ; BNC*1, 1Vp-p/75ohm
	Call monitor	BNC*1, 1Vp-p/75ohm
Audio	Input	8 RCA-jack connectors, line-in level (100mV-2Vrms)
	Output	HDMI; 2 RCA-jack connectors, line-out level (up to 2Vrms)
Record	Compression	IP-CAM: H.264; Video: H.264 High Profile ; Audio: ADPCM
	Max frame rate	IP-CAM: 180fps@1080p, 240fps@720p; Analog: 120fps@1080p, 240fps@1080p-lite/720p, 480/400fps@960H Up to 60Mbps incoming bandwidth for IP-CAM
	Mode	Manual/Schedule/Alarm/Motion/Panic
	Pre-record time	0 - 10 seconds
	Post-record time	0 - 60 minutes
Display	Resolution	HDMI/VGA - up to 1920*1080 ; NTSC - 720*480, PAL - 720*576
	Split windows	1/4/7/9/10/13/16
	Frame rate	Up to 30/25 FPS per display window
	Digital Zoom	X2, X4
Playback	Max frame rate	IP-CAM: 180fps@1080p, 240fps@720p; Analog: 120fps@1080p,240fps@1080p-lite/720p, 480/400fps@960H
	Search	Quick(1/3/5Min ago) Object/Smart search, Date/time, Camera, Alarm, Motion & Video loss
	Operation	Play, Fast Forward, Backward, Pause, Stop, Snapshot, etc.
Storage	HDD	Up to 5 sets of 3.5" SATA HDDs with storage > 4TB/HDD Failure detection & privacy law supported
	HDD Extension	1 optional eSATA connector for up to 5 external HDDs
	Backup	2 USB 2.0 ports ; Internal DVD models: DVD+RW, DVD+R, DVD-R Self playback for backup files with jpg snap shot
Alarm	Set/unset	1 contact or TTL/CMOS signal, polarity selectable
	Panic	1 contact or TTL/CMOS signal, polarity selectable
	Input	16 contact or TTL/CMOS signals, polarity selectable
	Output	4 (2 Normally Open, 2 Normally Closed) relay outputs
Network	Ethernet	1 RJ-45 10M/100M/1G bps Ethernet connector
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP, RTSP, UPnP, P2P
	Remote	Support Windows 8/7/Vista/XP/2003, N-streaming live view, 1 I.E/Firefox/Chrome/App for unlimited number of DVRs, App for Mac/iPhone/iPad/Android phone and Tablet PC
Control / POS / GPS	Remote Controller	1 remote controller to control up to 4 DVRs; Optional extension cable
	RS-232	1 D-type male connector for PTZ, keyboard, POS, or GPS
	RS-485	2-pin for keyboard and/or PTZ control
Setup	Local	On screen setup via keypad, remote controller, mouse, and/or RS-485 keyboard
	Remote	Setup & upload via Windows/Mac/iPad/Android Tablet application software
Reliability	System recovery	Auto power on after power loss recover; Watch dog timer
	Dust filter	Industry-designed dust filter for harsh environments
	Timer	Built-in real time clock
	Security	Multi-level password (4 levels, up to 18 accounts) protection with authentication key for remote access
Weights & Measures	Dimension	430(W) x 350(D) x 66(H)mm
	Weight	4.0 KG (without HDD)
Power	Source	+12VDC
	Consumption	100W Max. (with 5 HDDs)
Operating Temperature		0°C ~ +40°C