



## 5MP 4-in-1

### Feature

- 16-CH IP-CAM and TVI 5MP (Compatible with AHD camera) 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 capabilities** – IP-CAM: 240fps@1080p, 480/400fps@720p, Analog: 192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H
- **Max playback capabilities** –192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H
- **Max. 80Mbps incoming bandwidth for IP-CAM**
- Realtime live display for each channel
- Two-way audio capabilities
- **Smart search & playback**
- Audio in \* 2 / audio out \* 1
- **HDMI \* 1, VGA \* 1, BNC Main monitor/Call monitor \* 1**
- 2 SATA HDD
- Alarm in \* 8 / alarm out \* 1
- **Support push alarm notification to mobile phones**
- **Ethernet and USB 3G dongle support for remote access through I.E. or proprietary remote software, e-mail alarm notification, FTP file storage, remote setup and software upgrade**
- Free DDNS server **Support UPnP, P2P and QR code**
- Support remote PC with Windows 8/7, Vista, XP, and 2003
- 1 I.E./Firefox software for multiple DVRs
- **Remote access through mobile phone/PDA/Mac/Tablet PC with free TAPCMS iPhone/iPad/Android software can playback 16CH on mobile phone.**
- RS-232 and RS-485 for PTZ, keyboard control, POS, and GPS support
- USB 2.0 for video/audio backup to versatile storage devices
- **eSATA connector for HDD extension**
- Keypad, remote control, & mouse operation
- Digital watermark
- Multi-lingual support for setup and display
- **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

### Remote



### Storage



### Integration



### User interface



Model		PS-816AXQ
System	O.S.	Embedded Linux 3.0
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
	Certification	FCC, CE, etc.
Video	Format	IP-CAM: ONVIF Profile S; PAL AHD TVI CVI or Analog
	Input	IP-CAM: up to 16-CH 1080p/720p; Analog: up to 16-CH TVI 5MP, BNC, 1Vp-p /75ohm, AHD can also be supported
	Main monitor	HDMI, with resolution up to 3840x2160, VGA, with resolution up to 2560x1600 ; BNC*1, 1Vp-p/75ohm
	Loss detection	Yes
	Call monitor	BNC x 1, 1Vp-p/75ohm, shared with Main monitor
	Motion detection	Yes, with configurable detection area & sensitivity
	Privacy mask	Yes
Audio	Input	2RCA(standard) , 8 RCA(optional)-jack connectors, line-in level (100mV-1Vrms)
	Output	HDMI, 1 RCA(standard) , 2 RCA(optional)--jack connector, line-out level (< 1Vrms)
Record	Compression	IP-CAM: H.264; Video: H.264 High Profile, Audio: ADPCM
	Max frame rate	IP-CAM: 240fps@1080p, 480/400fps@720p, Analog: 192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H Up to 80Mbps incoming bandwidth for IP-CAM
	Mode	Manual/Schedule/Alarm/Motion/Panic
	Pre-record	0 - 10 seconds
	Post-record	0 - 60 minutes
Display	Resolution	HDMI/VGA – up to 1920x1080 NTSC – 720*480, PAL – 720*576
	Split windows	1/4/7/9/10/13/16
	Frame rate	Up to 30/25fps per display window
	Digital Zoom	X2, X4
	Sequential switch	User adjustable
Playback	Max frame rate	192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H
	Search	Quick(1/3/5Min ago) Object/Smart search, Date/time, Camera, Alarm, & Motion
	Operation	Play,64X Fast Forward, Backward, Pause, Stop, Snapshot, etc. Remote I.E. and HEM can also Print, Snapshot
Storage	HDD	2 set of SATA HDDs with storage > 6TB/HDD Failure detection & privacy law supported
	HDD Extension	Optional eSATA connector for up to 5 HDDs
	Backup	2 USB 2.0 port Self playback for backup files with jpg snap shot
Alarm	Input	8 contact or TTL/CMOS signal, polarity selectable
	Output	1 Normally Open or Normally Closed relay output
	Buzzer	Yes
	Event log	Yes
	Triggered by	Sensor input, Video loss, & Motion
Network	Ethernet	1 RJ-45 10M/100M bps Ethernet connector
	USB 3G dongle	Yes
	Web	Remote setup, monitoring, backup, alarm notification, & remote software upgrade Support Windows 8/7, Vista, XP, and 2003 1 I.E./Firefox for multiple DVRs Configurable HTTP/SMTP/FTP/Control/Data port
	DDNS	Free DDNS server
	E-mail/Push alarm	Alarm notification to stationary or mobile devices
	FTP	Alarm video/audio file storage
	Video	1/4/9/16 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM Dynamic N-Streaming live view
	Audio	Two-way

	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP, RTSP, P2P
	Remote users	Up to 8 users simultaneously
	Bandwidth	TCP/IP type dynamic sliding window control
	Remote stations	PC, Mac, mobile phone, PDA, and/or tablet PC with free iPhone/iPad/Android software app.
Control / POS / GPS	Remote Controller	1 remote controller for 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/PTZ control
Setup	Local	On screen setup via keypad, remote controller, mouse, and/or RS-485 keyboard
	Multi-lingual	Yes
	Remote	Setup & upload via Windows application software
Reliability	System recovery	Auto power on after power loss recovery
	Watch Dog Timer	Yes
	Timer	Built-in real time clock
	Security	Multi-level password (4 levels, up to 18 accounts)
Weights & Measures	Dimension	435(W)x285(D)x55(H)mm
	Weight	3.0 KG (without HDD)
Power	Source	+12VDC
	Consumption	60W Max.
Operating Temperature		0°C ~ +40°C