

## SERIES 8



CE FC LVDS  
**D1 Real-time**



# PS-816AXT

## Feature



### Storage



### Integration



### User Interface



- Up to 8-CH 1080p IP CAM (HDVR version) and/or 16/8-CH AHD 720P, H.264 DVR with hexaplex operation – record, live, playback, backup, control, & remote access
- **H.264 High Profile** video compression/decompression with configurable quality
- Max record capabilities – AHD: 240/200fps@720p, 480/400@960H/Full-D1
- Max playback capabilities – AHD: 240/200fps@720p, 480/400@960H/Full-D1
- Realtime live display for each channel - Two-way audio capabilities
- **Smart search & playback**
- Audio in \* 8 / audio out \* 2- HDMI \* 1, VGA \* 1, Main monitor \* 1, Call monitor \* 1
- Up to 2 SATA HDDs
- 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 remote PC with Windows 8/7, Vista, XP, and 2003
- 1 I.E./Firefox software for multiple DVRs
- **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.](#)
- RS-232 and RS-485 for PTZ, keyboard control, POS, and GPS support
- USB 2.0 for video/audio backup to versatile storage devices
- **Internal DVD Models: Video/audio backup to internal DVD, including DVD+RW, DVD+R, and DVD-R**
- eSATA connector for HDD extension
- Keypad, remote control, & mouse operation
- Digital watermark
- **Object search & playback with Slide bar pointer**
- **MS-Windows/iOS/Android SDK** for the integration with different applications

<b>System</b>	<b>O.S.</b>	<b>Embedded Linux 3.0</b>	<b>Network</b>	<b>Ethernet</b>	<b>1 RJ-45 10M/100M/1Gbps Ethernet connector</b>	
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access		USB 3G dongle	Yes	
	Certification	FCC, CE, etc.		<b>DDNS</b>	<b>Free DDNS server</b>	
<b>Video</b>	Format	<b>IP-CAM: ONVIF Profile S</b> NTSC/EIA or PAL/C <b>AHD or Analog</b>		E-mail	Alarm notification to stationary or mobile devices	
	Input	16-CH AHD 720p/Analog, BNC, 1Vp-p/75ohm		FTP	Alarm video/audio file storage	
	Main monitor	HDMI x 1, with resolution up to 1920x1080, VGA x 1, with resolution up to 1920x1080, BNC x 1, 1Vp-p/75ohm		Video	1/4/9/16 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM	
	Call monitor	BNC x 1, 1Vp-p/75ohm		Audio	Two-way	
	Loss detection	Yes		Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, uPnP	
	Motion detection	Yes, with configurable detection area & sensitivity		Remote users	Up to 8 users simultaneously	
	<b>Privacy mask</b>	<b>Yes</b>		Bandwidth	TCP/IP type dynamic sliding window control	
<b>Audio</b>	Input	8 RCA-jack connectors, line-in level(100mV-2Vrms)		Remote stations	Streaming video for PC/MAC, mobile phone, Tablet, etc., Free TapCMS Apps can playback 16CH on mobile phone.	
	Output	HDMI, 1 RCA-jack connectors, line-out level(up to 2Vrms)		Control /GPS / POS	Remote Controller	
	Compression	Video: <b>H.264 High Profile</b> , Audio: ADPCM		RS-232	1 D-type female connector for PTZ, keyboard, POS, or GPS	
	Max frame rate & resolution	IP-CAM: 180fps@1080p, 40fps@720p, Analog:200fps@720p,480/400fps@960H, Up to 60Mbps incoming bandwidth for IP-CAM,Qualifi 9Levels		RS-485	2-pin for keyboard or PTZ control	
<b>Record</b>	Mode	Manual/Schedule/Alarm/Motion/Panic		<b>Setup</b>	Local	GUI setup via keypad, remote, <b>mouse</b> , and/or RS-485 keyboard controller
	Pre-record time	0 – 10 seconds			Remote	Setup & upload via Windows application software
	Post-record time	0 - 60 minutes			Multi-lingual	Yes with Thai in Web browser and Main monitor.
	<b>Display</b>	Resolution		HDMI/VGA – up to 1920x1080 NTSC – 720*480, PAL – 720*576	System recovery	Auto power on after power loss recovery
Split windows		1/4/7/9/10/13/16		Watch Dog Timer	Yes.	
Frame rate		Up to 30 (NTSC) / 25 (PAL) IPS per display window		Timer	Built-in real time clock	
Sequential switch		User adjustable	Security	Multi-level password (4 levels, up to 18 accounts)		
Digital Zoom		X2, X4	<b>Weights &amp; Measures</b>	Dimension Weight	435(W) x 285(D) x 55(H)mm 3.0 KG (without HDD)	
<b>Playback</b>	Max frame rate & resolution	IP-CAM: 180fps@1080p,240fps@720p, Analog: 240fps@720p, 480/400fps@960H	<b>Power</b>	Source	+12 VDC	
	Search	<b>Smart search</b> , Date/time, Camera, Alarm, Motion, Video Loss, & Panic		Consumption	<b>60W Max. (with 2 HDDs)</b>	
	Operation	Play, 64X Fast Forward, Backward, Pause, Stop, etc Remote I.E. and HEM can also Print, Snapshot	<b>Operating Temperature</b>	0°C ~ +40°C		
<b>Storage</b>	HDD	Up to 2 sets of 3.5" SATA type HDDs, <b>&gt; 4TB for each HDD</b> , Failure detection & privacy law supported				
	HDD Extension	1 eSATA connector for up to 5 HDDs				
	Backup	2 USB 2.0 port <b>Internal DVD models: DVD+RW, DVD+R, DVD</b> Self playback for backup files				
<b>Alarm</b>	Input	8 contact or TTL/CMOS signal, polarity selectable				
	Output	1 Normally Open or Normally Closed relay output				
	Buzzer	Yes				
	Triggered by	Sensor input, Video loss, & Motion				
	Event log	Yes				

\* Product Design and Specifications are subject to change without prior notice