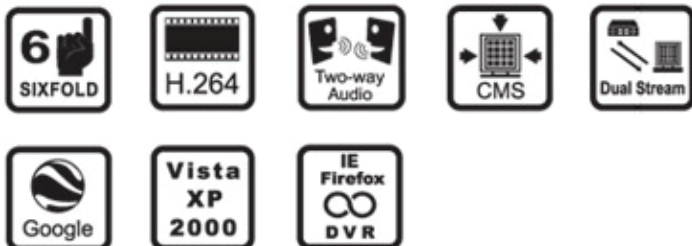




FEATURE

Remote



Storage



Integration



User interface



- **9/16 CH** H.264 DVR Standalone with six-fold operation-record, live, playback, backup, control & network remote access
- **H.264 Baseline Profile** video compression/decompression via network with configurable quality
- Bi-directional audio capabilities with **audio broadcast function**.
- Real time live display for all cameras
- Recording/Playback rate up to **400 IPS**
- Record capabilities – Full-D1: up to 120/100IPS, Half-D1: up to 240/200IPS, CIF: up to **480/400IPS**
- Event recording, time-lapse recording or both
- Playback search by time or event (alarm, motion & video loss)
- **Object search & playback**
- **Up to 4 HDDs, Max. 2TB for each HDD** support **AFT** Western Digital
- Intelligent motion detection with programmable area and sensitivity
- 1 USB for mouse 1 USB for Video/audio backup to built-in DVD or USB2.0 storage devices including pen drive, DVD+RW, DVD+R, and DVD-R
- **One I.E. software for up to unlimited DVRs or 64CH in page**
- Ethernet interface for remote access through I.E. or remote software, e-mail alarm notification (motion, Video loss, alarm input) with attached picture
- One MS-IE or Mozilla-Firefox Software for multiple DVRs
- Support Windows 7 , Vista, XP, 2000
- **Support 3G, Wifi, with dual-streaming capability**
- FTP file storage, remote setup and software upgrade
- Remote access through **mobile phone , iPhone or PDA**
- RS-232 and RS-485 for **PTZ, keyboard control, GPS , POS and support**
- 1 I/R remote controller can control up to 4 DVRs
- Firmware upgrade via USB or Network
- **Free DDNS server (xxx.fly2dns.net)**
- Multilingual support for setup and display
- Multi-level password and authentication key protection to ensure high degree of security
- **Free CMS Software (PS90XX)** Hyper Electronics Mapper (HEM) for multi-site plot on Google Earth layer with **live/search/playback/configuration AVI convertor and utility software. CMS support Dual Monitor.**
- Covert function able to hidden camera picture and recording on background

System	
O.S.	Embedded Linux 2.6
Multiplex	Sixfold operation - simultaneous record, live, playback, backup, control, & remote access
Processor	Multiple
Certification	FCC, CE, LVDS, etc.
Video	
Format Input	NTSC/EIA or PAL/CCIR 9/16-CH BNC, 1Vp-p/75ohm
Main monitor	BNC x 1, S-video x 1, 1Vp-p/75ohm, Optional VGA D-SUB 15-pin connector
Main-AUX	BNC x 2 (Input x 1, Output x 1), 1Vp-p/75ohm
Call monitor	BNC x 1, 1Vp-p/75ohm
Call-AUX	BNC x 2 (Input x 1, Output x 1), 1Vp-p/75ohm
Loop-through	9/16-CH as Video Input, BNC, 1Vp-p/75ohm
Loss detection	Yes
Motion detection	Yes, with configurable detection area (22x26 Cells) & sensitivity
Audio	
Input	4 RCA-jack connectors, line-in level (100mV-2Vrms)
Output	2 RCA-jack connectors, line-out level (up to 2Vrms)
Record	
Compression	Video: H.264 Baseline Profile with Watermark Audio: ADPCM
Frame rate (IPS) & Resolution	NTSC - 120 / 720*480, 240 / 720*240, 480 / 360*240, PAL - 100 / 720*576, 200 / 720*288, 400 / 360*288 1~25IPS adjustable each camera or vary by event triggered
Quality	1-9 level
Mode	Continuous/16 Time zone Schedule/Alarm/Motion/Manual-Emergency
Pre-record time	0 - 60 seconds
Post-record time	0 - 60 minutes
Display	
Resolution	NTSC - 720*480, PAL - 720*576
Split windows	1/4/7/9/10/13/16
Frame rate	Up to 30 (NTSC) / 25 (PAL) IPS per display window
Freeze	Yes
Sequential switch	User adjustable
Digital Zoom	X2, X4
Covert	Yes, only authorized user can see image
Playback	
Frame rate (IPS) & Resolution	NTSC - 60/720*480, 120/720*240, 240/360*240 PAL - 50/720*576, 100/720*288, 200/360*288
Search	Object search , Date/time, Camera, Alarm, Motion, & Video Loss, Search Achieve files, POS/Keycard Search.
Operation	Play, 64X Fast Forward & Backward by Jog-Shuttle Control, Pause, Stop, etc, Remote I.E. and HEM can also Print
Storage	
HDDs	2/1 sets of 3.5" SATA type HDDs, Unlimited storage size for each HDD
HDD Extension	eSATA
Partitions	Configurable alarm partition size Configurable auto-overwrite or not
Backup	USB 2.0 ports for USB 2.0 disk drives DVD+RW, DVD+R, DVD-R, card readers, HDD, etc Network Backup on I.E. or H.E.M Software

Alarm	
Input	9/16 contact or TTL/CMOS signal, polarity selectable
Output	2 Normally Open, 2 Normally Closed relay output to AUTO dialer co-response event triggered or manual control by remote PC and mobile phone
Buzzer	Yes
Triggered by	Sensor input, Video loss, & Motion
Event log	Yes
Network	
Ethernet	1 RJ-45 10/100BaseT Ethernet connector
Web	With IE browser able to Remote setup, monitoring, backup, alarm notification, & remote software upgrade One I.E. for up to 4 DVR or 64CH
E-mail	Alarm notification to e-mail with attached picture or mobile devices
FTP	Alarm video/audio file storage
Video	1/4/9/16/25/36/64 split-window & SEQ mode for IE and HEM Dynamic electronics maps for HEM
Audio	Bidirectional
Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP
Remote users	Up to 8 users simultaneously
DDNS Server	Support DynDNS.org, NO-IP.com, 3322.org, FreeDNS.com
Remote stations	PC, mobile phone, iPhone or PDA
Control / GPS / POS	
I/R	1 I/R remote controller to control up to 4 DVRs
RS-232	1 D-type female connector for PTZ control, GPS, or POS
RS-485 / 422	1 RJ-45 connector for keyboard, PTZ control, GPS, or POS
Setup	
Local	Front panel button, GUI mouse control, On screen setup via key pad , I/R remote controller, and/or RS-485 Keyboard
Remote	Setup & upload via Windows application software
Multi-lingual	Yes, 14 languages with Thai language
Reliability	
System recovery	Auto power on after power loss recovery
Watch Dog Timer	Yes
Timer	Built-in real time clock
Dust filter	Industry-designed dust filter for harsh environments
Security	Multi-level password (3 levels, up to 18 accounts) protection with authentication key for remote access
Watermark	Watermark check
Weights & Measures	
Dimension	430(W) x 330(D) x 88(H)mm
Weight	5.0 KG (without HDD)
Power	
Source	90~264 VAC, 47~63 Hz
Consumption	80W Max. (with 4 HDDs)
Operating	
Temperature	0°C ~ +45°C

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

Ordering information

PS-809-DX : Real-time, 9-CH, H.264 DVR
 PS-809-DXD: 9CH with one internal DVD
 PS-809-DXV: 9CH with VGA output

PS-816-DX : Real-time, 16-CH, H.264 DVR
 PS-816-DXD: 16CH with one internal DVD
 PS-816-DXV: 16CH with VGA output

Central Management Software

PS-9010, Hyper Electronics Mapper for 10 DVRsFree Buddle
 PS-9050, Hyper Electronics Mapper for 50 DVRsOptional
 PS-9099, Hyper Electronics Mapper for Unlimited DVRsOptional