

SERIES 8 DVR STANDALONE

16-CH Rack-mountable DVR

H.264 FULL D1
HDMI



PS-8408H-SDI

FC CE LVDS

FEATURE

Remote



SOC 2



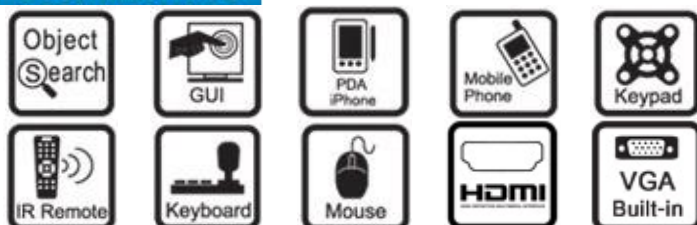
Storage



Integration



User interface



- 4-CH HD, 8-CH Analog, realtime H.264
- hexaplex operation – record, live, playback, backup, control, & remote access
- **H.264 High Profile** video compression/decompression
- **2X Record rate** – HD: 720p 120/100, 1080p 60/50, Full-D1: 240/200
- Playback capabilities – HD: 720p 60/50, 1080p 30/25, Full-D1: 240/200
- Realtime live display, 30 (NTSC) / 25 (PAL) IPS, for each channel
- Bi-directional audio capabilities
- **1ST Stand-alone DVR with state-of-the-art 3-D de-interlace & de-noise**
- **Object search & playback with Slide bar pointer.**
- Audio in * 17 / audio out * 2
- **HDMI * 1, VGA * 1, Main monitor * 1, Call monitor * 1**
- Up to 5 SATA HDDs, or 4 SATA HDDs and 1 DVD
- Alarm in * 16 / alarm out * 4
- Ethernet * 1 for remote access, including web access, e-mail alarm notification, FTP video/audio file storage, and software upgrade
- **Free DDNS server (xxx.fly2dns.net)**
- **Support remote PC with Windows 7, Vista, XP, and 2000**
- **1 I.E./Firefox software for multiple DVRs**
- **Streaming video for mobile phone or PDA, no Apps required**
- **N-Streaming internet/intranet remote access**
- **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 (Optional)
- eSATA connector for HDD extension
- Keypad, I/R remote control, & mouse operation
- Digital watermark
- **Touch Screen Support**
- **Privacy masking**
- Multi-lingual support for setup and display
- Open system architecture for ease of access via network, RS-485 keyboard
- **OCX SDK available for the integration with different applications**
- **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.**

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

| System | |
|-------------------------------|--|
| O.S. | Embedded Linux 2.6 |
| Multiplex | Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access |
| Processor | Multiple |
| Certification | FCC, CE, LVDS, etc. |
| Video | |
| Format | HD: HD-SDI, Analog: NTSC/EIA or PAL/CCIR |
| Input | HD: 4-CH HD-SDI (SMPTE 292M), BNC, 0.8Vp-p /75ohm, up to 1080p30, 1080i60, 720p60 Analog: 8-CH, BNC, 1Vp-p/75ohm |
| Main monitor | HDMI x 1, with resolution up to 1920x1080, VGA x 1, with resolution up to 1920x1080, BNC x 1, 1Vp-p/75ohm |
| Loss detection | Yes |
| Motion detection | Yes, with configurable detection area & sensitivity |
| Audio | |
| Input | HD: 1/2-CH, BNC, same as Video Inputs Analog: 12/8 RCA-jack connectors, line-in level (100mV-2Vrms) |
| Output | 2 RCA-jack connectors, line-out level (up to 2Vrms) |
| Record | |
| Compression | Video: H.264 High Profile Audio: ADPCM 32K |
| Frame rate (IPS) & Resolution | HD: 720p 120/100, 1080p 60/50, Full-D1: 240/200 1~25IPS adjustable each camera or vary by event triggered |
| Quality | 1-9 level |
| Watermark | Yes |
| Mode | Manual/Schedule/Alarm/Motion |
| Pre-record time | 0 - 60 seconds |
| Display | |
| Resolution | HDMI/VGA – up to 1920x1080 NTSC – 720*480, PAL – 720*576 |
| Split windows | 1/4/9/12 |
| Frame rate | Up to 30/25 IPS per display window |
| Digital Zoom | X2, X4 |
| Sequential switch | User adjustable |
| Playback | |
| Frame rate (IPS) & Resolution | HD: 720p 60/50, 1080p 30/25, Full-D1: 240/200 |
| Search | Smart search ,Object Counting , Date/time, Alarm & Motion& Video Loss, Search Achieve files, POS/Keycard (Text Search) |
| Operation | Play, 64X Fast Forward& Backward, Pause, Stop, etc. Remote I.E. and HEM can also Print |
| Storage | |
| HDD | Up to 5 sets of SATA HDDs with storage > 2TB/HDD Advanced format HDD supported Failure detection supported Privacy law supported |
| HDD Extension | 1 eSATA connector |
| Partitions | Configurable alarm partition size Configurable auto-overwrite or not |
| Backup | 1 USB 2.0 port for USB 2.0 disk drives, DVD+RW, DVD+R, DVD-R , card readers, HDD, etc. Internal DVD models: DVD+RW, DVD+R, DVD-R (Option) Self playback for backup files |

| Alarm | |
|---------------------|---|
| Input | 16 contact or TTL/CMOS signal, polarity selectable |
| Output | 2 Normally Open, 2 Normally Closed relay output |
| Buzzer | Yes |
| Triggered by | Sensor input, Video loss, & Motion |
| Event log | Yes |
| Network | |
| Ethernet | 1 RJ-45 10/100/1000 BaseT Ethernet connector |
| Web | Remote setup, monitoring, backup, alarm notification, & remote software upgrade Support Windows 7, Windows Vista, Windows XP, and Windows 2000 1 I.E./Firefox for multiple DVRs Configurable HTTP/SMTP/FTP/Control/Data port |
| DDNS | Free DDNS server fly2dns.net and Support DynDNS.org, NO-IP.com, 3322.org, FreeDNS.com |
| E-mail | Alarm notification to stationary or mobile devices. SSL support |
| FTP | Alarm video/audio file storage |
| Video | 1/4/9/16/25/36/49/64 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM N-Streaming live view |
| Audio | Bidirectional |
| Protocol | TCP/IP, HTTP, PPPoE, Static, DHCP, DDNS, FTP, TSP |
| Remote users | Up to 8 users simultaneously |
| Bandwidth | TCP/IP type dynamic sliding window control |
| Remote stations | Streaming video for PC, mobile phone, PDA, etc., no Apps required |
| Control / GPS / POS | |
| I/R | 1 I/R remote controller Optional I/R extension cable |
| RS-232 | 1 D-type female connector for PTZ, POS, or GPS |
| RS-485/422 | 2-pin for keyboard/PTZ control |
| Setup | |
| Local | On screen setup via keypad, I/R remote controller, mouse, and/or RS-485 keyboard |
| Remote | Setup & upload via Windows application software |
| Multi-lingual | Yes |
| Reliability | |
| System recovery | Auto power on after power loss recovery |
| Watch Dog Timer | Yes |
| Timer | Built-in real time clock |
| Security | Multi-level password (3 levels, up to 18 accounts) protection with authentication key for remote access |
| Weights & Measures | |
| Dimension | 430(W) x 330(D) x 66(H)mm |
| Weight | 4.0 KG (without HDD) |
| Power | |
| Source | +12VDC |
| Consumption | 100W Max. (with 5 HDDs) |
| Operating | |
| Temperature | 0°C ~ +45°C |

Central Management Software

PS-9010, Hyper Electronics Mapper for 10 DVRs
PS-9050, Hyper Electronics Mapper for 50 DVRs
PS-9099, Hyper Electronics Mapper for Unlimited DVRs

.....Free Buddle
.....Optional
.....Optional