

# SERIES 8 DVR STANDALONE

16-CH Rack-mountable DVR

**TOMURA**  
WWW.TOMURACCTV.COM

H.264 FULL D1  
HDMI



## PS-8208H-SDI

FC CE LVDS

### FEATURE

#### Remote

**SOC 2**



#### Storage



#### Integration



#### User interface



- 2-CH HD, 8-CH Analog, real-time H.264
- hexaplex operation – record, live, playback, backup, control, & remote access
- **H.264 High Profile** video compression/decompression
- **Max Record rate** – HD: 720p 60/50, 1080p 30/25, 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
- **1<sup>ST</sup> Stand-alone DVR with state-of-the-art 3-D de-interlace & de-noise**
- **Object search & playback with Slide bar pointer.**
- Audio in \* 12 / 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 \* 12 / alarm out \* 4, Alarm Set/unset , panic
- 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	Sixfold operation - simultaneous record, live, playback, backup, control, & remote access
Processor	Multiple
Certification	FCC, CE, LVDS, PSE, etc.
Video	
Format	HD: HD-SDI, Analog: NTSC/EIA or PAL/CCIR
Input	HD: 2-CH HD-SDI (SMPTE 292M), BNC, 0.8Vp-p /75ohm, up to 1080p30, 1080i60, 720p60 Analog: 14-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-CH, BNC, same as Video Inputs Analog: 16 RCA-jack connectors, line-in level (100mV-2Vrms)
Output	12 RCA-jack connectors, line-out level (up to 2Vrms)
Record	
Compression	<b>Video: H.264 High Profile</b> <b>Audio: ADPCM 32K</b>
Frame rate (IPS) & Resolution	HD: 720p 60/50, 1080p 30/25, 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	1/4/8/16
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	<b>Smart search ,Object Counting</b> , 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 <b>Advanced format HDD supported</b> <b>Failure detection supported</b> <b>Privacy law supported</b>
HDD Extension	1 <b>eSATA</b> 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, <b>DVD+R, DVD-R</b> , card readers, HDD, etc. <b>Internal DVD models: DVD+RW, DVD+R, DVD-R (Option)</b> Self playback for backup files

Alarm	
Input	12 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, & <b>remote software upgrade</b> <b>Support Windows 7, Windows Vista, Windows XP, and Windows 2000</b> <b>1 I.E./Firefox for multiple DVRs</b> <b>Configurable HTTP/SMTP/FTP/Control/Data port</b>
DDNS	Free DDNS server <b>fly2dns.net</b> 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 <b>N-Streaming live view</b>
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	<b>Streaming video for PC, mobile phone, PDA, etc., no Apps required</b>
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	<b>100W Max. (with 5 HDDs)</b>
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