TOMURA

DVR Standalone H.264

SERIES 8

HDMI HIGH DEFINITION MULTIMEDIA INTERFACE   CE FC LVDS

TOMURA H.264 Series 8 DVR
HDMI AHD

PS-804AHD/PS-808AHD

FEATURE

Remote SOC 2
- 6 SIXFOLD
- Recording FULL D1 HD1/CIF
- H.264
- Two-way Audio
- CMS
- Vista XP 2000
- IE Firefox DVR
- Google
- N-Streaming

Storage
- SATA
- USB
- SSD

Integration
- PTZ
- Fly 2 DDNS
- 3D De-interlace De-noise
- 2X REC Rate

User interface
- Object Search
- GUI
- PDA iPhone
- Mobile Phone
- Keypad
- IR Remote
- Keyboard
- Mouse
- VGA Built-in

- **4/8 CH AHD** H.264 DVR Standalone with six-fold operation-record, live, playback, backup, control & network remote access.

- **H.264 Main Profile** video compression/decompression via network with configurable quality.

- Real time live display for all cameras.

- Streaming video for mobile phone or PDA, no Apps required

- **N-Streaming internet/intranet remote access**

- Record/Playback capabilities – 720P: 100IPS FPS 960H:240/200IPS, Half-D1:240/200IPS, CIF:240/200IPS.

- **Support push alarm notification to mobile phones**

- **1ST Stand-alone DVR with state-of-the-art 3-D de-interlace & de-noise**

- Digital Watermark

- **Support touch panel with USB interface**

- Playback search by time or event (alarm, motion & video loss).

- **Object search & playback**.

- Digital zoom, X4

- SATA HDDs with storage size up to >3TB 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./Firefox software for unlimited number of DVRs**

- Ethernet for remote access, including web access, e-mail alarm (v-loss, motion, HDD fail) notification with attached picture, and FTP video/audio file storage, remote setup & upgrade.

- Remote access through **mobile phone , iPhone or PDA**.

- **Built-in HDMI/VGA output** Resolution 1920x1080

- **Support PTZ/Keyboard/POS/GPS**

- **Free DDNS server (xxx.fly2dns.net)**

- Multi-level password stand authentication key protection to ensure high degree of security.

- **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.

- Covert function able to hidden camera picture and recording on background.

TOMURA™ PROFESSIONAL CCTV SYSTEM

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System	
O.S.	**Embedded Linux 3.0**
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.　　**AHD or Analog**
	4/8-CH BNC 720p/Analog, 1Vp-p/75ohm.
Main monitor	BNC x 1, S-video x 1, 1Vp-p/75ohm, **HDMI, VGA** with resolution up to 1920x1080
Call monitor	BNC x 1, 1Vp-p/75ohm, shared with Main monitor
3D de-interlace & de-noise	Yes.
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	HDMI,1 RCA-jack connectors, line-out level (up to 2Vrms)

Record	
Compression	Video: **H.264 Main Profile** with Watermark. Audio: ADPCM.
Frame rate (IPS) & Resolution	120/100fps@720p, 240/200fps@960H, 200/720x576, 200/720x288, 200/360x288. 1~50IPS adjustable each camera or vary by event triggered.
Quality	1-9 level.
Mode	Manual (Emergency)/Schedule/Alarm/Motion.
Pre-record time	0 -10 seconds.
Post-record time	0 - 60 minutes.

Display	
Resolution	NTSC – 720x480, PAL – 720x576.
Split windows	1/4/7/9/SEQ.
Frame rate	Up to 30 (NTSC) / 25 (PAL) IPS per display window.
Freeze	Yes.
Sequential switch	User adjustable.
Digital Zoom	X4, X16

Playback	
Frame rate (IPS) & Resolution	120/100fps@720p, 240/200fps@960H **Realtime @**200/720x576, 200/720x288, 200/360x288.
Search	**Quick(1/3/5Min ago),Object search**, Date/time, Camera, 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	
HDDs	1 set of 3.5¨ SATA type HDD, 4TB of HDD storage size
HDD Extension	NAS , 1 eSATA connector for up to 5 HDDs
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. **External DVD models: DVD+RW, DVD+R, DVD-R** Self playback for backup files

Alarm	
Input	4/8 contact or TTL/CMOS signal, polarity selectable.
Output	1 Normally Open or Normally Closed relay output Co response to Alarm/Event input or manual control by remote PC and mobile phone.
Buzzer	Yes.
Triggered by	Sensor input, Video loss, & Motion.
Event log	Yes , 6000 events with system log.

Network	
Ethernet	1 RJ-45 10/100/1000 BaseT Ethernet connector.
3G	Support 3G USB Dongle dial-up internet.
Web	Remote setup, monitoring, backup, alarm notification, & remote software upgrade 1 I.E./Firefox for unlimited DVRs Configurable HTTP/Control/Data port.
E-mail	Alarm notification to stationary or mobile devices.
FTP	Alarm video/audio file storage.
Video	1/4/8/9/16/25/36/64split-window & SEQ for IE and HEM Dynamic electronics maps for HEM.
Audio	Bidirectional with broadcast.
Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP,uPnP.
Remote users	Up to 6 users simultaneously.
Bandwidth	TCP/IP type dynamic sliding window control.
Remote stations	**PC,Mac, mobile phone, iOS/Android. no Apps required Free TapCMS Apps can playback 16 CH on mobile phone with Push notification.**

Control / GPS / POS	
I/R	1 I/R remote controller.
RS-485	2-pin for keyboard, PTZ control, GPS or POS.

Setup	
Local	GUI setup via mouse, keypad, **touch panel**, I/R remote controller, and/or RS-485 keyboard controller.
Remote	Setup & upload via Windows/Mac 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.
Security	Multi-level password (4 levels, up to 18 accounts) protection with authentication key for remote access.

Weights & Measures	
Dimension	320(W) x 210(D) x 50(H)mm.
Weight	2.0 KG (without HDD).

Power	
Source	+12VDC./ 220-240VAC 50Hz
Consumption	36W Max.

Operating	
Temperature	0°C ~ +45°C.

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

Central Management Software (CMS)

PS-9010, Hyper Electronics Mapper for 10 DVRs　…………..**Free Buddle**
PS-9050, Hyper Electronics Mapper for 50 DVRs　…………..Optional
PS-9099, Hyper Electronics Mapper for Unlimited DVRs　…………..Optional