TOMURA™ SERIES 8

CE FC LVDS

DVR Standalone
4-CH Entry-Level DVR

H.264 FULL D1
HDMI

TOMURA™ H.264 Series 8 DVR

SOC2 DVR

PS-804HCE

FEATURE

Remote
6 SIXFOLD · H.264 · Two-way Audio · Recording FULL D1 HD1/CIF · N-Streaming
Google · IE Firefox DVR · CMS

SOC 2

Storage
SATA E-SATA · USB · SSD

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

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

- **4 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.
- Real time live display for all cameras.
- **2X Record rate** – Full-D1: up to 60/50IPS, Half-D1: up to 120/100IPS, CIF: up to 240/200IPS
- Playback capabilities – Full-D1: up to 60/50IPS, Half-D1: up to 120/100IPS, CIF: up to 240/200IPS
- 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.**
- Port **HDMI** (High-Definition Multimedia Interface) (optional)
- **Built-in VGA** Resolution 1024x768 pixel
- 1 SATA HDD up to 2TB
- 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**
- USB 2.0 for video/audio backup to versatile storage devices
- eSATA connector for HDD extension
- Keypad, I/R remote control, & mouse operation
- Digital watermark
- Multi-lingual support for setup and display
- **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.

System	
O.S.	Embedded Linux 2.6
Multiplex	Sixfold operation - simultaneous record, live, playback, backup, control, & remote access
Certification	FCC, CE, LVDS, PSE, etc.

Video	
Format	NTSC/EIA or PAL/CCIR
Input	4-CH, BNC, 1Vp-p/75ohm
Main monitor	BNC x 1, 1Vp-p/75ohm VGA D-SUB 15-pin connector
3-D de-interlace & de-noise	Yes
Loss detection	Yes
Motion detection	Yes, with configurable detection area & sensitivity

Audio	
Input	1 RCA-jack connectors, line-in level (100mV-2Vrms)
Output	1 RCA-jack connectors, line-out level (up to 2Vrms)

Record	
Compression	**H.264 Baseline Profile** Audio: ADPCM
Frame rate (IPS) & Resolution	NTSC – 60/720*480, 120/720*240, 120/360*240 PAL – 50/720*576, 100/720*288, 100/360*288
Watermark	Yes
Mode	Manual/Schedule/Motion
Pre-record time	0 - 10 seconds
Post-record time	0 - 60 minutes

Display	
Resolution	NTSC – 720*480, PAL – 720*576
Split windows	1/4
Frame rate	Up to 30/25 IPS per display window
Digital Zoom	X2, X4
Sequential switch	Yes

Playback	
Frame rate (IPS) & Resolution	NTSC – 60/720*480, 120/720*240, 120/360*240 PAL – 50/720*576, 100/720*288, 100/360*288
Search	**Smart search ,Object Counting**, Date/time, Alarm & Motion
Operation	Play, Fast Forward, Backward, Pause, Stop, etc. Remote I.E. and HEM can also Print

Storage	
HDD	1 set of 3.5" SATA HDD with storage > 2TB Advanced format HDD supported Failure detection supported
Backup	1 USB 2.0 port for USB 2.0 storage devices Self playback for backup files

Alarm	
Buzzer	Yes
Triggered by	Video loss, & Motion
Event log	Yes

Network	
Ethernet	1 RJ-45 10/100BaseT 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, DHCP, DDNS, FTP, TSP
Remote users	Up to 6 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

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	185(W) x 195(D) x 44(H)mm
Weight	1.2 KG (without HDD)

Power	
Source	+12VDC
Consumption	30W Max.

Operating	
Temperature	0°C ~ +45°C

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

Central Management Software

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