



FEATURE

Remote

SOC 2



Storage



Integration



User interface



- **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/Keypad/POS/GPS**
- **Free DDNS server (xxx.fly2dns.net)**
- Multi-level password and 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

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

.....Free Buddle
Optional
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