TOMURA

PS-816AHD
16-CH AHD, 720p H.264 DVR

AHD **HYBRID** PS-816AHD

SOC 3

New CPU

Feature

Remote

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

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
- IR Remote
- Keyboard
- Mouse
- Mobile Phone
- Keypad
- VGA Built-in
- HDMI
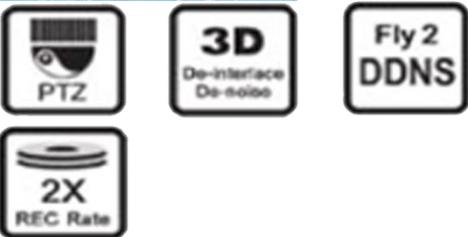
- 16-CH AHD, H.264 DVR with hexaplex operation – record, live, playback, backup, control, & remote access
- **H.264 High Profile** video compression/decompression with configurable quality
- Max record capabilities – AHD: 240/200fps@720p, 480/400@960H/Full-D1
- Max playback capabilities – AHD: 240/200fps@720p, 480/400@960H/Full-D1
- Realtime live display for each channel - Two-way audio capabilities
- **Smart search & playback**
- Audio in * 16 / 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, alarm set/unset, panic
- **Support push alarm notification to mobile phones**
- **Ethernet** and **USB 3G dongle** support for remote access through I.E. or proprietary
  remote software, e-mail alarm notification, FTP file storage, remote setup and software upgrade
- Free DDNS server
- Support remote PC with Windows 8/7, Vista, XP, and 2003
- 1 I.E./Firefox software for multiple DVRs
- **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.
- 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
- eSATA connector for HDD extension
- Keypad, remote control, & mouse operation
- Digital watermark
- **Object search & playback with Slide bar pointer**
- **MS-Windows/iOS/Android SDK** for the integration with different applications

System	O.S.	Embedded Linux 3.0
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
	Certification	FCC, CE, etc.
Video	Format	NTSC/EIA or PAL/CCIR **AHD or Analog**
	Input	16-CH AHD 720p/Analog, 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
	Call monitor	BNC x 1, 1Vp-p/75ohm
	Loss detection	Yes
	Motion detection	Yes, with configurable detection area & sensitivity
	Privacy mask	**Yes**
Audio	Input	16 RCA-jack connectors, line-in level(100mV-2Vrms)
	Output	HDMI, 2 RCA-jack connectors, line-out level(up to 2Vrms)
Record	Compression	Video: **H.264 High Profile,** Audio: ADPCM
	Max frame rate &resolution	240/200fps@720p, 480/400fps@960H/Full-D1,Quality 1-9Levels
	Mode	Manual/Schedule/Alarm/Motion/Panic
	Pre-record time	0 – 10 seconds
	Post-record time	0 - 60 minutes
Display	Resolution	HDMI/VGA – up to 1920x1080 NTSC – 720*480, PAL – 720*576
	Split windows	1/4/7/9/10/13/16
	Frame rate	Up to 30 (NTSC) / 25 (PAL) IPS per display window
	Sequential switch	User adjustable
	Digital Zoom	X2, X4
Playback	Max frame rate & resolution	240/200fps@720p, 480/400fps@960H/Full-D1
	Search	**Smart search**, Date/time, Camera, Alarm, Motion, Video Loss, & Panic
	Operation	Play, 64X Fast Forward, Backward, Pause, Stop, etc. Remote I.E. and HEM can also Print, Snapshot
Storage	HDD	Up to 5 sets of 3.5" SATA type HDDs, **> 4TB for each HDD,** Failure detection & privacy law supported
	HDD Extension	1 eSATA connector for up to 5 HDDs
	Backup	2 USB 2.0 port **Internal DVD models: DVD+RW, DVD+R, DVD-R** Self playback for backup files
Alarm	Set/unset	1 contact or TTL/CMOS signal, polarity selectable
	Panic	1 contact or TTL/CMOS signal, polarity selectable
	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 10M/100M/1G bps Ethernet connector**
	USB 3G dongle	Yes
	DDNS	**Free DDNS server**
	E-mail	Alarm notification to stationary or mobile devices
	FTP	Alarm video/audio file storage
	Video	1/4/9/16 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM
	Audio	Two-way
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, uPnP
	Remote users	Up to 8 users simultaneously
	Bandwidth	TCP/IP type dynamic sliding window control
	Remote stations	Streaming video for PC/MAC, mobile phone, Tablet, etc., Free TapCMS Apps can playback 16CH on mobile phone.
Control /GPS / POS	Remote Controller	1 remote controller Optional extension cable
	RS-232	1 D-type female connector for PTZ, keyboard, POS, or GPS
	RS-485	2-pin for keyboard or PTZ control
Setup	Local	GUI setup via keypad, remote,**mouse**, and/or RS-485 keyboard controller
	Remote	Setup & upload via Windows application software
	Multi-lingual	Yes with Thai in Web browser and Main monitor.
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)
Weights & Measures	Dimension Weight	430(W) x 350(D) x 66(H)mm 4.0 KG (without HDD)
Power	Source	+12 VDC
	Consumption	**100W Max. (with 5 HDDs)**
Operating Temperature		0ºC ~ +40ºC

* Product Design and Specications are subject to change without prior notice

TOMURA™ PROFESSIONAL CCTV SYSTEM

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