TOMURA

PS-816AQHD

- **16-CH IP-CAM and AHD 5MP (Compatible with TVI camera) Hybrid DVR** with hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
- **H.264 High Profile** video compression/decompression with configurable quality
- **Max record capabilities: IP-CAM: 240fps@1080p, 480/400fps@720p, Analog: 192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H**
- **Max. 80Mbps incoming bandwidth for IP-CAM**
- **Smart search** & playback
- **HDMI * 1, VGA * 1, Main monitor/Call monitor * 1**
- Audio in * 8 / audio out * 2
- **eSATA connector for HDD extension**
- 5 internal SATA HDDs (>6TB/HDD)
- Alarm in * 16 / alarm out * 4/ alarm set/unset, panic
- Ethernet and **USB 3G/4G dongle** support for remote access through I.E. or remote app, e-mail alarm notification, FTP file storage, remote setup and software upgrade

Remote
- **DVR browser utility**
- **Free DDNS** Server
- **Push alarm notification** for portable device
- Two-way audio capabilities
- **Audio broadcasting**
- Dynamic electronics maps for CMS
- Remote setup, monitoring, backup, alarm notification, & **remote software upgrade**
- Remote access through mobile phone/PDA/Mac/Tablet PC with free iPhone/iPad/Android software app
- 1 I.E./Firefox/Chrome/App for multiple DVRs
- Configurable **HTTP/SMTP/FTP/Control/Data** port
- **Support UPnP, P2P, RTSP**
- **MS-Windows/iOS/Android SDK** for the integration with different applications

Model		PS-816AQHD
System	O.S.	Embedded Linux 3.0
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
Video	Format	IP-CAM: ONVIF Profile S; Analog: NTSC/EIA or PAL/CCIR AHD or Analog
	Input	IP-CAM: up to 16-CH 1080p/720p; Analog: up to 16-CH AHD 5MP, BNC, 1Vp-p /75ohm, TVI can also be supported
	Main monitor	HDMI, with resolution up to 3840x2160; VGA, with resolution up to 2560x1600; BNC*1, 1Vp-p/75ohm
	Call monitor	BNC*1, 1Vp-p/75ohm
	Motion detection	Yes, with configurable detection area & sensitivity
	Privacy mask	Yes
Audio	Input	8 RCA-jack connectors, line-in level (100mV-2Vrms)
	Output	HDMI; 2 RCA-jack connector, line-out level (up to 2Vrms)
Record	Compression	Video: H.264; Audio: ADPCM
	Max frame rate	IP-CAM: 240fps@1080p, 480/400fps@720p, Analog: 192fps@5MP-lite, 240fps@4MP-lite,320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H Up to 80Mbps incoming bandwidth for IP-CAM
	Mode	Manual/Schedule/Alarm/Motion
	Pre-record time	0 - 10 seconds
	Post-record time	0 - 60 minutes
Display	Resolution	HDMI: 3840x2160; VGA: 2560x1600; CVBS
	Split windows	1/4/7/9/10/13/16
	Frame rate	Up to 30/25 FPS per display window
	Digital Zoom	X2, X4
Playback	Max frame rate	192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H
	Search	Smart search, Date/time, Camera, Alarm, Motion & Video loss
	Operation	Play, Fast Forward, Backward, Pause, Stop, Snapshot, etc.
Storage	HDD	5 x 3.5" SATA HDDs with storage >6TB/HDD, Failure detection & privacy law supported
	HDD Extension	1 eSATA connector for up to 5 external HDDs
	Backup	USB 2.0 x 2; 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 signals, polarity selectable
	Output	2 Normally Open, 2 Normally Closed relay outputs
Network	Ethernet	1 RJ-45 10M/100M bps Ethernet connector
	USB 3G/4G dongle	Yes
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP, RTSP, UPnP, P2P
	Remote	Support Windows 8/7/Vista/XP/2003, N-streaming live view, 1 I.E/Firefox/Chrome/App for unlimited number of DVRs, App for Mac/iPhone/iPad/Android phone and Tablet PC
Control / POS / GPS	Remote Controller	1 remote controller to control up to 4 DVRs; Optional extension cable
	RS-232	1 D-type male connector for PTZ, keyboard, POS, or GPS
	RS-485	2-pin for keyboard and/or PTZ control
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	430 (W) x 350 (D) x 66 (H)mm, 4.0 KG (without HDD)
	Power/Consumption	+12VDC, 100W Max. (with 5 HDDs)
	Operating Temperature	0ºC ~ +40ºC