



## Embedded Hybrid DVR

### CYHB-16RTX

#### Features:

##### Hybrid IP Surveillance Capability

- . Support Both IP Cameras and Analog Cameras in One System (Max. 8 Analog Cameras+ 8 IP Cameras)
- . Support Panasonic IP Cam.

##### Rich Features with Reliable Linux Platform

- . Real Time Display and Recording
- . MPEG4 Compression Technology
- . Multi-Tasking: Recording, Display, Backup, Playback and Remote
- . Smart Motion Recording with Automatically Adjust Recording Frame Rate According to Motion Occurring to Save HDD Space
- . Max 16 Channel Playback on DVR and Remote IE Client
- . Max 16 Client Remote Monitoring Simultaneously
- . Integrate with POS/ATM System
- . Efficient Search System including Calendar, Time and Event (System Event& Device Events)
- . Support 8 Language
- . Software Upgradeable

##### Complete Data Storage Solution

- . Support 2 SATA HDDs(1 Internal+1 Swap HDD)
- . Support RAID 0~5 with RAID Alarm Notification and Set RAID Configuration Directly
- . Built-in One Internal 5.25" CD-RW
- . Support Various Back Devices including USB Burning Devices (CD-RW/DVD-R/RW)& USB Storage Devices(HDD, Pen Drive)

##### Powerful Network Capability

- . Support PPPoE, DDNS, DNS and DHCP
- . Remote Monitor, Playback, Setup and Backup via PSTN and TCP/IP(LAN, WAN, Internet)
- . Provide Powerful Central Manager System & IE Client
- . Support Remote Monitor via GPRS & 3G Mobile Handsets



SPECIFICATION	CYHB-16RTX
Video Input(EV1616)	Max. 16 channel inputs with 8 ch analog cameras and +8 ch IP cameras
Video Input(EV1608)	8 channel
Loop though Output	8 channel
Video Output	1*VGA, 1*TV-out (BNC, S-Video)
Call Monitor	1*BNC
Video Format	NTSC
Display Resolution	640*480
Image Parameter	Brightness/Contrast/Hue/Saturation
Audio Input Channel	4 channel RCA input, 1 channel Mic in
Audio Output Channel	1 channel
Recording Compression	MPEG4 compression
Recording Resolution	640*480, 640*240,320*240
Recording Frame Rate	fps(NTSC), 200fps(PAL)
Recording Image Size	1.8~13KB/frame@320*240, 2.9~19KB/frame@640*240, 3.8~42KB/frame@640*480
Recording Mode	Continuous/ Non-recording/ Motion/ Event recording
Pre-recording	0~10 sec
Post-recording	0~20 sec
Watermark	Support
Playback Channel	Max. 16 channel playback simultaneously
Playback Video enhancement	De-interlace, Sharpen
Search Mode	Search by Calendar/Time/Event
Sensor Input	4 NC/NO dry contact inputs
Alarm Output	4 NC/NO relay
Alarm Behavior	Alarm to Zoom, Alarm to Recording, Alarm to Notice (by Email / FTP / SMS), Alarm to DI output
Hard Disk Storage	1*Swap SATA HDD, 1*Internal SATA HDD (Optional, Can work with external RAID box)
RAID Support	*Support RAID 0-5, *RAID event notification, *RAID configuration
Backup	USB/ IDE burning device(CD-R/RW, DVD±R/RW) ; USB storage (Pen Drive, HDD)
HDD Diagnostics	Support
Networking	Internet/PSTN/LAN by Ethernet/ Modem (Fix IP, PPPoE/DDNS, DHCP)
Remote Monitoring	*JPEG mode or MPEG 4 streaming * Max 16 clients accessible simultaneously *Support 3G & GPRS mobile handset
Remote Playback	16 channel playback
Remote Setup	Support
Remote Download & Backup	*Remote download and local playback *One time backup or periodical backup
Central Management System	*Max 64 DVR connections with 1024 channels, *Remote monitor, *Remote playback, *E-MAP, *Remote backup, *Remote setup
Others	*PTZ camera support, *Max. 100 user accounts, *Built in HDD watchdog, *Time Zone & Daylight saving, *Time Sync by Time server, FM, RTC, *Support 8 languages
HDD	1*Swap SATA HDD, 1*Internal SATA HDD (Optional)
CD-RW	Built-in 1*5.25" CD-RW
USB2.0	2*USB
Video Input	8 BNC ports
Loop through	8 BNC ports
TV-Out	1*BNC & 1* S-Video
Call Monitor	1*BNC port
Audio Input	4*RCA&1 MIC input
Audio Output	1*Line Out
Sensor Input	4* NC/NO dry contact inputs
Alarm Output	4* NC/NO relay
VGA Output	15 pin DSUB
PS2	Keyboard, Mouse
SATA	1* SATA connector for RAID connector
Ethernet	RJ45, 10/100Mbps
COM Port	1*RS232, 1*RS485
DIP Switch	/VGA switch, NTSC/PAL switch
Operating Temp	0 ~40°C
Humidity	5% ~ 95%, non-condensing
Power	115~230VAC
Color	Black
Dimension	432mmW * 350mmD* 102mmH
Weight	8.5Kg