

••• **EB1704HB WiFi-4**

Entry-level embedded hybrid DVR solution; best for homes and small retail (ex. pawn, jewelry, etc.) stores

EB1704HB WiFi-4 CCD



EB1704HB WiFi-4 CMOS



Overview

- Entry-level embedded **hybrid** DVR solution; best for homes, individual apartments and condominiums
- 4 channels Video and 4 channels Audio input with 120 fps recording rate
- Bundled 4 wireless IP cameras (either CCD or CMOS version) ensures that there is no need for expensive coaxial cabling
- No IP configurations necessary - with instant video feed by simply powering on!
- Unique hacker-proof encryption technology makes for an extremely secure system
- Supports Central Management System, allowing for remote management and control of up to 1,000 DVRs
- View live video on compatible mobile phones
- Intelligent Motion and Sensor Detection allows for recording only when activity or relay is detected

EB1704HB WiFi-4 Specifications

Operating System	Embedded Linux and RTOS
Hybrid	Yes
IP Camera Support	Bundled with 4 wireless IP cameras (CMOS or CCD)
Video Format	NTSC
Software Compression	MPEG4
Video Output	CCTV, TV or LCD monitor
Video Input	4 channels (BNC connectors)
Audio Input	4 channels
Display Rate	120 fps (Current wireless architecture may affect maximum fps achievement)
D1 Recording Frame Rate	60 fps (Current wireless architecture may affect maximum fps achievement)
CIF Recording Frame Rate	120 fps (Current wireless architecture may affect maximum fps achievement)
Recording Resolution	up to 720x480
User Access	2 users; 1 complete administrative privileges & 1 limited privileges
Sensor/Relay	Built in 4 sensors and 1 relays
Removable HDD Bay	Yes
Number of HDD supported	1
Dimensions (WxHxD)	330 x 57 x 393 mm or approximately 13 x 2 x 15 inches

User Interface:

Type	User Interface
Display Formats	Full screen or Quad split-screen
Pan-Tilt-Zoom Control	Yes
Multiple Languages	Yes
Video Quality Settings	Yes - Hue, Brightness, Saturation and Contrast

External Device:

Spot Monitor Support	No
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Recording Features:

Recording Modes	Manual, Motion Detection, Schedule, Sensor trigger, & Alarm trigger
Storage Estimation	System will show the percent of remaining storage space
Recycle Recording	Yes
Video Loss Detection	Yes
Event Log	Yes

Playback Features:

Watermark Verification	Yes
Playback Software on PC	Yes
Playback Availability	Playback while recording or setup
Playback Control	Play, rewind or fast-forward footage including frame-by-frame
Export Functions	Export single frames to BMP or video clips to AVI with time & date stamp

Search Features:	
Visual Search	No
Search Criteria	Search by date, time, event and event logs
Export Functions	Export single frames to BMP files or export video clips to AVI files
Back-up:	
Back-up features	Manual or schedule backup with installed Utilities software
Over Heat Detection	No
Backup Functions	FAT32 format Pen drive/external HDD
Alarms/Sensors/Relays:	
Alarm Trigger Notifications	Relay - System will turn on lights, lock gates, sound an alarm, etc.
	Record - System will start recording video footage
	CM3000 - Event information will be automatically generated in the CM3000 for follow-up
Video Intelligence	Motion Detection
I/O Box Support	Built in 4 sensors and 1 relays
Remote Accessibility:	
Remote Accessibility	WebViewer – 1/4 split screen views with PTZ control for included cameras
	PDAViewer - View video footage on a PDA in 1 or 4 split screens (both Audio and Video)
	CM3000 - Control and manipulate up to 1000 DVRs remotely; Includes hybrid PTZ and E-Maps
	Remote Console - Remotely monitor, record or playback video footage
Dynamic DNS	Yes
Connection Types	Internet or LAN speeds
Video Quality:	
Noise Reduction	Yes
iEnhance Software	Yes - optimizes recorded video footage
iStable Software	Yes - smoothes video footage
Scheduling Abilities:	
Schedulable Functions	Record
Allocations	Functions can be scheduled in 1 hour increments

EB1704HB WiFi-4 CCD Camera Specifications



- SONY CCD Sensor & CS-Mount Lens
- VGA Resolution (640 x 480) at 30 Frames-per-second
- Support MPEG-4 and M-JPEG Dual Video Streaming
- Support Mobile Phone 3GPP Live Video
- Support 802.11g Wireless and Wired 10/100 Base-T Ethernet
- Support Day/Night Mode Equipped with IR Filter Switcher

Video

Image Sensor	Sony 1/4" CCD Sensor, VGA 640x480, Digital Interface
Lens	CS/M Type, F1.6, 4 Layers Glass, Fixed Focus
Compression	MPEG-4/M-JPEG Dual Stream
Resolution Support	640x480, 320x240, 160x120
Frame Rate	Up to 30 frame per second in VGA (640x480)
Image Control	AWB, AEC, AGC, Contrast, Brightness Auto-Iris Control
Video Options	Motion-Detection, Time Stamp, Text Overlay
3GPP	160x120@15fs, MPEG-4 for mobile phone viewing

Audio

Compression	G.711, G.726 ADPCM
Microphone/Speaker	Bi-directional audio, built-in Mic and external Mic/Speaker
Audio Option	On-Off control on web interface and Windows playback

Network

Protocols	TCP/IP, SMTP, HTTP, DHCP, NTP, RTP, RTSP, UPnP, FTP, DDNS, HTTPS, SYSLOG, Jabber
LAN	Ethernet 10/100BaseT, Auto-MIDX

Wireless

Standard	IEEE 802.11b and 802.11g(MIMO)
Operation Modes	Infrastructure/Ad-Hoc
Installation Mode	WPS
Range	Indoor: 50m
Encryptions	WEP 64 Bits/128 Bits, WPA-PSK Personal, WPA2 Personal
Frequency	2.4~2.4835GHz, DSSS
Antenna	2dbi, Detachable

Hardware

LED Indicators	Ready: Amber, Network: Green
Connector	Ethernet, RJ45 connector, Power Jack, 1ack switch, Microphone Input, Speaker Output, Reset Button
Power Adapter	External Power Adapter: 12V/1A, 110~120VAC/60Hz, Switching, PoE: 48 V/0.3A
Certification	CE/FCC
Dimensions (HxWxD)	81mm (W) x 50mm (H) x 130mm (L)
Weight	480g (1.05lb.)

Software

Management Interface	Windows Setup utility, Web based user interface
Client Support	Web Browser, Windows Utility(Monitor, Report & Playback)
Security	Username and Password, HTTPs
E-mail Notification	Triggered by event (Motion Detection, Input I/O)
Users	10 simultaneous users
Digital Zoom	4X

EB1704HB WiFi-4 CMOS Camera Specifications



- VGA Resolution (640 x 480) at 30 Frames-per-second
- Support MPEG-4 and M-JPEG Dual Video Streaming
- Support Mobile Phone 3GPP Live Video
- Support 802.11g Wireless and Wired 10/100 Base-T Ethernet
- Support Multiple Platform (Windows, Mac and Linux)
- Motion Detection & Email Alert

Video

Image Sensor	CMOS, 1/6" VGA Resolution
Lens	F2.8 Fixed Focus, Effective Range: 0.2M to infinity
Compression	MPEG-4/M-JPEG Dual Stream
Resolution Support	640x480, 320x240, 160x120
Frame Rate	Up to 30 frame per second in VGA (640x480)
Image Control	AWB, Brightness
Video Options	Motion-Detection, Time Stamp, Text Overlay
3GPP	160x120@15fs, MPEG-4 for mobile phone viewing

Audio

Compression	G.711, G.726 ADPCM
Microphone/Speaker	Bi-directional audio, built-in Mic and external Speaker
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Network

Protocols	TCP/IP, SMTP, HTTP, DHCP, NTP, RTSP/RTP, UPnP
LAN	Ethernet 10/100BaseT

Wireless

Standard	IEEE 802.11b and 802.11g
Operation Modes	Infrastructure/Ad-Hoc
Range	Indoor: 50m
Encryptions	WEP 64 Bits/128 Bits, WPA-PSK Personal, WPA2 Personal
Frequency	2.4~2.4835GHz, DSSS
Antenna	2dbi, Detachable

Hardware

LED Indicators	Power, Active, Network
Connector	Ethernet RJ-45, Speaker out, DC Power, Reset button
Power Adapter	5V/1A, 100/240 VAC
Certification	CE/FCC
Dimensions (HxWxD)	96 x 90 x 36 mm (3.8" x 3.5" x 1.4")
Weight	131g (0.29lb.) without stand, 256g (0.56lb.) with stand

Software

Management Interface	Windows Setup utility, Web based user interface
Client Support	Web Browser, Windows Utility(Monitor, Report & Playback)
Security	Username and Password
E-mail Notification	Triggered by motion detection
Users	5 simultaneous users

Security Product Hardware Recommendation List

EB1704HB WiFi-4

Brand	Model	Capacity
Hitachi	HDT725032VLA360	320GB
	HDP725025GLA380	250GB
	HDT725050VLA360	500GB
Seagate	SV35.3: ST3500320SV	500GB
	SV35.2: ST3500630SV	500GB
	SV35.3: ST3250310SV	250GB
Maxtor	STM3320820AS	320GB
	STM3250310AS	250GB
WD	WD2500YS	250GB
	WD2500AAKS	250GB
	WD1600AAJS	160GB
	WD7500AACS-00ZJB0	750GB
	WD5000AAKS-65TMA0	500GB

PTZ Camera [Please click here for the full IP camera support list](#)