

Real-time 16CH H.264 Hybrid DVR Card Kit

PCIe interface, 480/400FPS@D1 recording, H.264 H/W codec

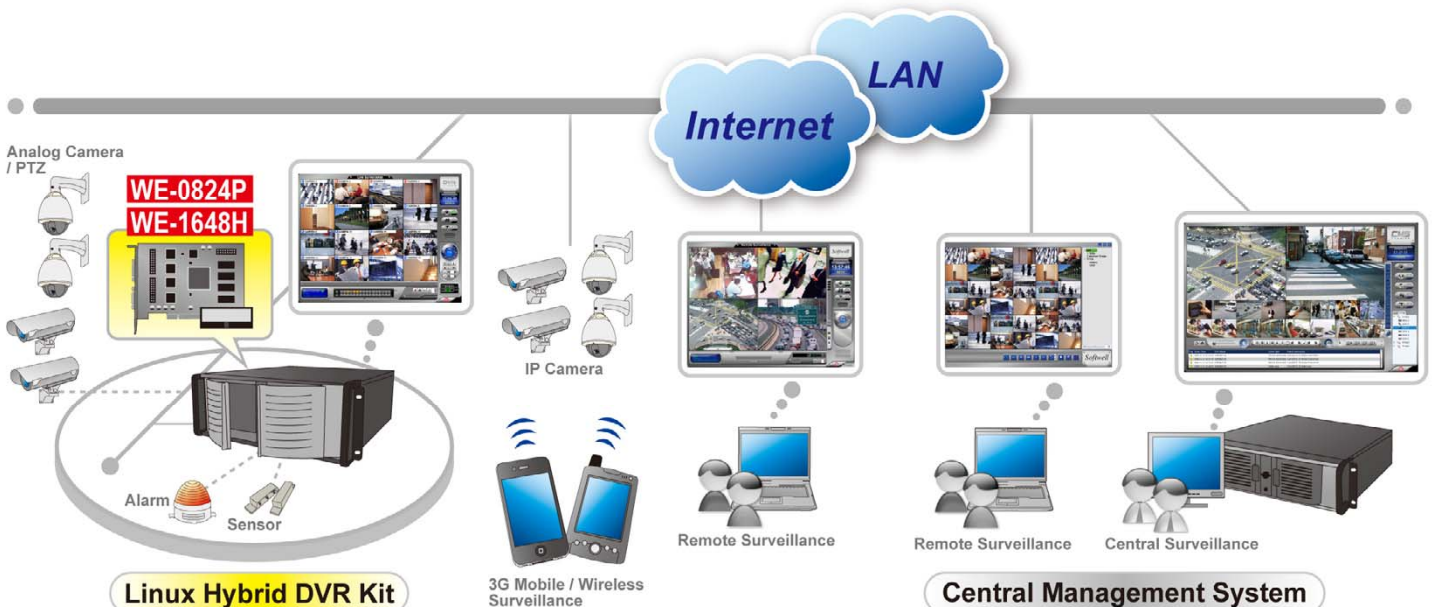
The Linux hybrid DVR kit is an all-in-one and simply plug-to-use hybrid DVR package. With H.264 H/W codec, it provides high performance surveillance with real-time monitoring and recording for each camera. WE-1648H (16-CH analog + optional 16-CH IP cameras, 480FPS@D1 recording, PCIe interface) can support up to 16+16 video input, 16+16 audio inputs, 16 digital inputs and 16 relay outputs, 1 RS-485 and 1 spot output providing intuitive user interface and management, high performance monitoring and recording, flexible alarm mechanism, and fully network remote access capabilities.

This whole package, including a DOM (Disk on Module) module which embeds Linux-based hybrid DVR system, a high performance video capture board, optional bracket, optional digital input/digital output module and optional USB dongle for IP camera license, which offers the best performance and stability for your hybrid surveillance application. You only need to insert the DOM module into the IDE/SATA slot and the video capture board into the PCIe slot of your PC, then it will function as a full-feature hybrid DVR system.



Features

- 480/400FPS@D1 recording and triple network video streams using H.264 H/W codec
- DVR software pre-installed in DOM module for rapid system deployment
- Enhanced Linux OS, well-protection against viruses and hackers
- Analog cameras hybrid with major brand IP/mega-pixel cameras and video servers
- 1920X1080 (16:9) and 1280X1024 (4:3) local display
- Smart resolution change of network video stream, provide remote clients with better-quality and low-latency videos under limited bandwidth
- Windows® remote client supports Internet Explorer®, Mozilla Firefox® and Google Chrome® browser
- 3G mobile phone access via iPhone®, iPad®, Android®, BlackBerry® and Windows® Mobile phone
- Optional RAID level 0, 1, 10, 3, 5, 6 and JBOD to provide high-capacity storage and maximum redundancy



Specification

Model No.	WE-1648H	
DOM	Preload Linux OS and hybrid DVR SW, SATA or IDE interface	
Board Interface	PCIe	
Video type	D-type, composite 1.0Vp-p, 75Ω, BNC connector	
Video Inputs	16 Analog + 16 IP (option)	
Audio Inputs	8(Mono, RCA Line in) + 8(Option)	
Resolution	NTSC:704X480, 704X240, 352x240 PAL: 704X576, 704X288, 352x288	
Display Quality	Hue, Saturation, Brightness, Contrast (Day/Night Setting)	
Compression	H/W H.264 codec	
Video Processing	Noise Reduction	
Display Speed	NTSC : 480FPS ; PAL : 400FPS	
Display Information	Channel Label, current date/time, user account, recording mode, event status and HDD/RAID status	
Display Mode	1, 4, 1+7, 9, 16, full screen and auto sequence	
Monitor	Support 1920x1080 and 1280x1024 VGA/DVI/HDMI	
Channel Control	Channel drag and drop (IP channels only), deinterlace	
Recording Speed	NTSC	Up to 480FPS@704x480; Up to 480FPS@704x240; Up to 480FPS@352x240
	PAL	Up to 400FPS@704x576; Up to 400FPS@704x288; Up to 400FPS@352x288
Recording Mode	Continuous, scheduled, motion detection, digital input triggered	
Recording Setting	Pre-event recording, resolution, quality, frame rate, cyclic overwrite and record file keeping days	
Recording Quality	Low, middle, high, excellent for VBR; 32K, 64K, 128K, 256K, 512K, 1M, 2M, 3M for CBR. IP: Depending on IP camera and CPU performance	
Search Mode	Timeline (Display recorded data time table, 24 hours/10 minutes mode), file, event (motion, alarm)	
Playback Function	Forward and backward control: 1X, 2X, 4X, 8X, 16X, 1/2X, 1/4X, 1/8X, 1/16X; frame by frame; previous section, next section; S/W jog/shuttle for H/M/S; motion advance	
Event Type	Video motion (1-20 detection zones, 5 levels sensitivity controls, 10 level differentia control per channel), video loss, alarm input, storage abnormal, system boot/shutdown, system configuration changed.	
Event Notification	Log, popup message, enlarge video, trigger alarm output, send email, alarm sound	
RAID	Software RAID-5, hardware RAID card (RAID level 0, 1, 10, 3, 5, 6, and JBOD, Option)	
Exportation	Video files and snapshot can backup to CD/DVD, USB storage and remote PC; Can export video as AVI/MKV format.	
Self Diagnosis	System abnormal condition (built-in H/W watch dog will reset DVR System), HD abnormal conditions (auto-recover HD)	
Digital In/Out Type	Din: Dry contact closure, max. 5V DC Dout: Relay output, max. 0.5A 24V DC	
Digital In/Out (Option)	Max. 16/ Max. 16	
Networking	Static IP/DNS, DHCP, DDNS, NTP/Rdate, SMTP, FTP, independent video stream for remote PC/Mobile phone, video stream connection time limit and outgoing bandwidth limit.	
Remote Client	PC client for remote-site live display, playback, setup, snapshot, video clip export and backup; support CMS and mobile client	
User Level Management	Normal user and supervisor, normal user can restrict rights including login from local or remote site, set password from remote, view setup configuration, playback, export file, control PTZ, control alarm output and view log.	
System Management	Auto reboot, auto login (Account, screen division and auto switch), system log (Event and login log), configuration files backup/restore (CD/DVD, USB storage, remote PC), time zone, daylight saving, time sync (CMOS clock, NTP, Rdate server)	
S/W Upgrade	CD/DVD, USB memory stick and remote PC.	
PTZ	Pelco-D, Pelco-P, Dynacolor, Lilin-MLP1, Lilin-MLP2 and others.	
Others(Optional)	RS-485(bracket)x1, Spot output(bracket)x1, USB dongle for Max. 16 IP camera license	
Dimension/Weight	98 x 200mm, 180g	
Regulatory Compliance	FCC, CE and RoHS	

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