

Economical 16CH H.264 Linux-based DVR Card Kit

PCI interface, 120/100FPS@D1 recording, H.264 H/W codec

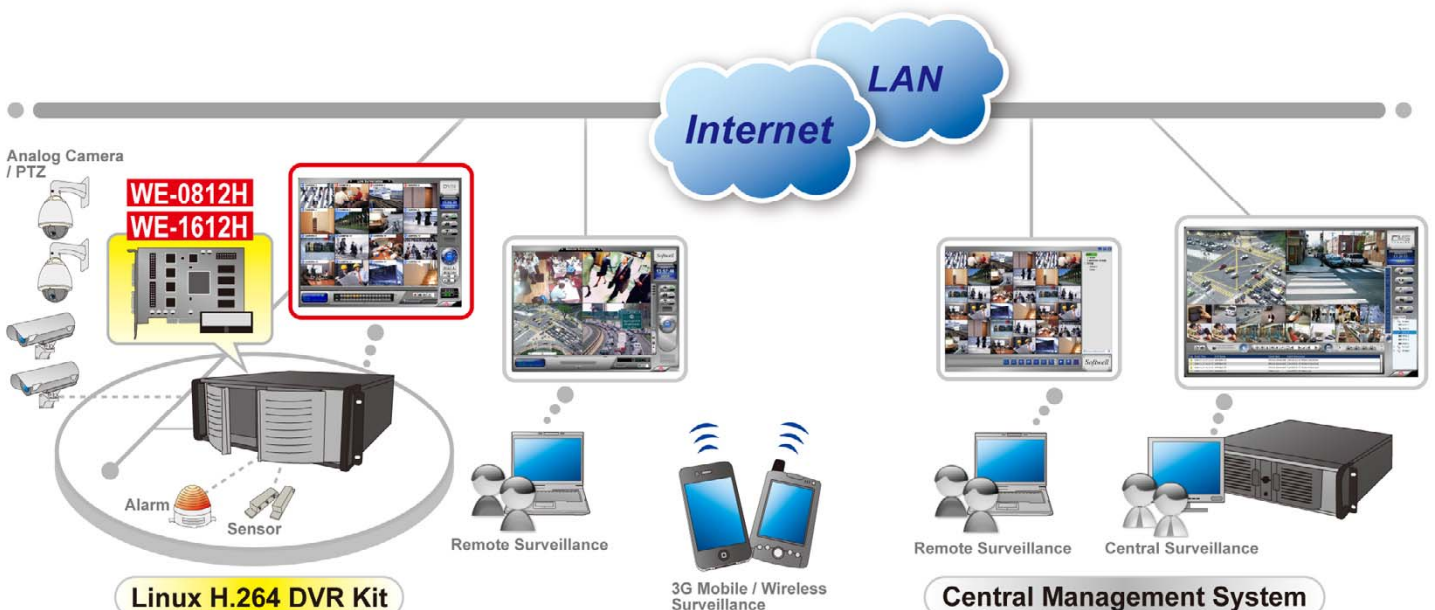
WE-1612H, the H.264 DVR Kit solution, provides economical surveillance with high speed monitoring, recording, and playback for each camera. This whole package, including a DOM (Disk on Module) which embeds Linux-based H.264 DVR system, an economical video capture board, optional bracket and digital input/digital output module, offers the best performance and stability for your surveillance application.

Based on advanced embedded Linux and H.264 H/W codec technology, it can support up to 16 video input, 16 audio inputs, 1 spot output, 1 RS-485, 16 digital inputs and 16 relay outputs providing intuitive user interface and management, high performance monitoring and recording, flexible alarm mechanism, and fully network remote access capabilities.



Features

- Enhanced Linux OS, well-protection against viruses and hackers
- 1920x1080 or 1280x1024 local display
- 120/100FPS@D1 recording using H.264 H/W codec and dual network video streams
- Windows® remote client supports Internet Explorer®, Mozilla Firefox® and Google Chrome® browser
- Smart resolution change of network video stream, provide remote clients with better-quality and low-latency videos under limited bandwidth
- 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-1612H	
DOM	Preload Linux OS and H.264 DVR SW, SATA interface	
Board Interface	PCI	
Video Type	D-type, composite 1.0Vp-p, 75Ω, BNC connector	
Video Inputs	16	
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.264 H/W codec	
Video Processing	Noise Reduction, video quality enhancement	
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	
Recording Speed	NTSC	Up to 120FPS@704x480; Up to 240FPS@704x240; Up to 480FPS@352x240
	PAL	Up to 100FPS@704x576; Up to 200FPS@704x288; Up to 400FPS@352x288
Recording Mode	Continuous, scheduled, event	
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.	
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, 32X, 1/2X, 1/4X, 1/8X, 1/16X, 1/32X; 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.	
Bracket (Option)	Audio input x 8, Spot output x 1, RS-485 x 1	
Dimension / Weight	100 x 150mm, 180g	
Regulatory Compliance	FCC, CE and RoHS	

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