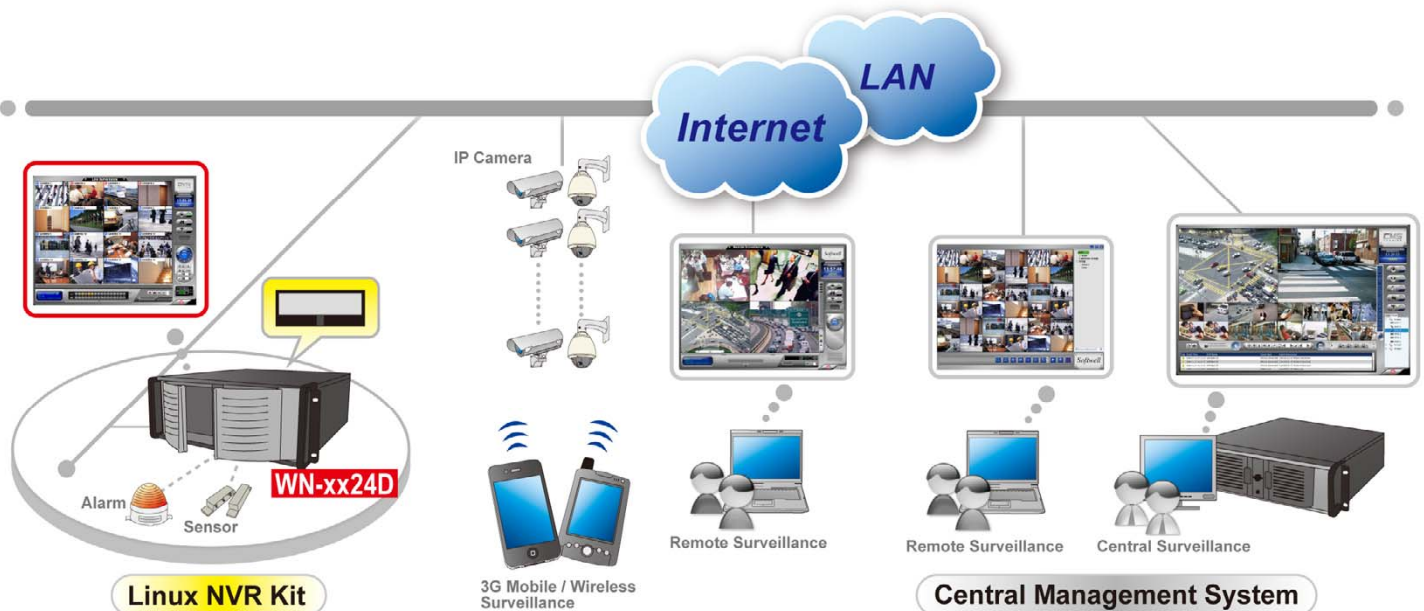# 4CH~16CH Linux-based IP Surveillance NVR Kit

Full HD local display, Megapixel network video recording

The Linux NVR kit is an all-in-one and simply plug-to-use NVR package. It based on market leading embedded Linux 2.6 and H/W H.264 codec, provides high quality surveillance with live monitoring and high-speed recording for each network camera. It can support up to 16 video inputs, 16 audio inputs providing intuitive user interface and management, high performance monitoring and recording, flexible alarm mechanism, fully network remote access, and optional IVS capabilities. This whole package, including a DOM (Disk on Module) module which embeds Linux-based NVR system and a USB dongle for S/W protection, offers the best performance and stability for your IP surveillance application. You only need to insert the DOM module into the IDE/SATA slot and the USB dongle into the USB slot of your PC, then it will function as a full-feature NVR system.

Features

- NVR software pre-installed in DOM module for rapid system deployment
- Enhanced Linux OS, well-protection against viruses and hackers
- IP and Mega-Pixel cameras recording using H.264 H/W codec
- 1920X1080 (16:9) and 1280X1024 (4:3) local display
- Simultaneously live view and record video streams from IP/mega-pixel camera sources
- 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
- Software RAID to provide high-capacity storage and maximum redundancy
- Optional IVS can detect foreign object, missing object, across detect line, out of camera focus, camera scene changed
- SDK and Toolkit for seamless integrate with other applications
- Technical services for new IP camera support and integration

Specification

Model No.	**WN-XX24D**
DOM	Preload Linux OS and H.264 NVR SW, SATA interface
Video Type	IP Camera (D1, 1 mega-pixel, 2 mega-pixel and others), Video Server
Video Inputs	4, 8, 12, 16
Audio Inputs	4, 8, 12, 16
Compression	H.264 H/W codec
Monitor	Support 1920x1080 and 1280x1024 VGA/DVI/HDMI
Display Speed	25FPS per channel, depending on IP camera performance
Display Information	Channel Label, current date/time, user account, recording mode, event status and HDD/RAID status
Screen Division Mode	1, 4, 1+7, 9, 16 Full Screen and Auto Sequence
Channel Control	Digital PTZ (Mouse scroll zoom in/out and movement), Channel Drag and Drop, Deinterlace
Timestamp	Yes
Recording Speed	25FPS per channel, depending on IP camera performance
Recording Mode	Continuous, scheduled, event
Recording Setting	Resolution, quality, frame rate, cyclic overwrite and record file keeping days
Search Mode	16CH Timeline (Display recorded data time table, 24 hours/10 minutes mode), file, event
Playback Function	Forward and backward control: 1X, 2X, 4X, 8X, 16X, 1/2X, 1/4X, 1/8X, 1/16X; frame by frame; previous 5 minutes, next 5 minutes; S/W jog/shuttle for H/M/S; motion advance
Event Type	Video loss, record abnormal, storage abnormal, system boot/shutdown, system configuration changed, IVS(foreign object, missing object, across detect line, camera out of focus, camera scene changed. This is an optional function)
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
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.
S/W Protection	USB dongle (please purchase another one if it is lost or changes to other models)

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