MEGAsys Linux-embedded NVR for IP survelance

Megapixel network video recording and high-capacity RAID storage

MEAGsys's Linux-embedded NVR system is a simply plug-to-use and virus-free IP/megapixel cameras recording solution. Based on market-leading embedded Linux, H.264/MPEG-4/M-JPEG compression and video/audio streaming technology, the system can provide high performance live display, recording, playback, backup and remote surveillance functions for each camera. The NVR software and optimized Linux OS is built on an independent flash-based DOM module, so system can always boot up in case of HDD failure. It also provides high-capacity H/W RAID for recording data storage and protection. With this NVR system, customers can rapid deploy their surveillance application with optimum surveillance and operating efficiency and delivers a better security and stability than the counter part Windows® powered system.
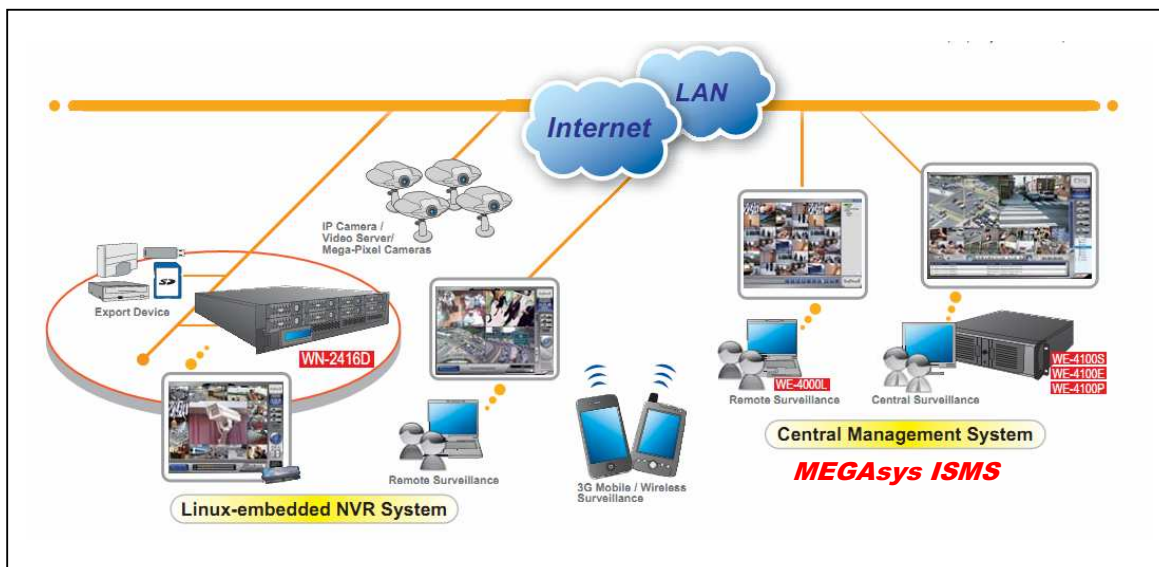
Mobile Surveillance Application for iPhone® & iPad®

Feature

- Industrial standard 19" 2U 8 bays NVR platform (1U 4 bays, 2U 12 bays, 3U 16bays and 4U 24bays NVR systems are all available by project request)
- 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, MPEG-4 and M-JPEG
- 1920X1080 (16:9) and 1280X1024 (4:3) local display
- RAID level 0, 1, 3, 5, 6, 0+1 and JBOD to provide high-capacity storage and maximum redundancy
- Windows® remote client support Internet Explorer® , Mozilla Firefox® and Google Chrome® browser
- 3G mobile phone access via iPhone®, iPad®, Android®, BlackBerry® and Windows® Mobile phone
- Hot-swappable SATA II HDD trays and power supplies
- Optional LCD panel for HDD, cooling fans, power supplies and temperature status display

Model No.	ET-2416D	ET-2416E	ET-2432F	ET-2432G	ET-2464H
Picture					
Video Input/Audio Input	16/16	16/16	32/32(coming soon)	32/32 (coming soon)	64/64 (coming soon)
Hardware	2nd generation Intel Core processor, 2/4/8 GB DDR2 memory, cooing fan/network link/power and disk status indication through front LED, Front button for Mute buzzer or cooling fan speed control(WN-2416E only), VGA x 1, Gigabit Ethernet X2, USB x 4				
VGA Output	1920 x 1080 and 1280 x 1024				
Display Speed NTSC	Max.480FPS @ D1				
PAL	Max.400FPS @ D1				
Screen Division Mode	1, 4, 1+7, 9, 16, Full Screen and Auto Sequence				
Channel Control	Digital PTZ (Zoom and Movement), Channel Drag and Drop, Deinterlace				
Channel Information	Channel Label, Current Date/Time, User Account, Recording Mode, Event Status and HDD/RAID Status				
Video Stream	H.264, MPEG-4, M-JPEG				
Timestamp	YES				
Recording Mode	Normal, Schedule				
Recording Setting	Resolution, Quality, Frame Rate, Cyclic Overwrite and Record File Keeping Days				
Recording Speed NTSC	Max.480FPS		Max.960FPS		Max.1920FPS
PAL	Max.400FPS		Max.800FPS		Max.1600FPS
Search Mode	Timeline (Display Recorded Data Time Table, 24 Hours/10 Minutes Mode), File, Event (Motion, Alarm)				
Playback Function	FB/FF control:1/32X, 1/16X, 1/8X, 1/4X, 1/2X, 1X, 2X, 4X, 8X, 16X, 32X, Frame Advance, S/W Jog/Shuttle for H/M/S, Motion Advance				
Event Type	Video Loss, Record Abnormal, Storage Abnormal, System Boot/Shutdown,System Configuration Changed				
Event Notification	Log, Popup Message, Enlarge Video, Send E-Mail, Alarm Sound				
RAID	Software RAID 5	Hardware RAID Card, RAID Level 0, 1, 3, 5, 6, 0+1, JBOD. Background initialization, hot-spare, hot-swap, array-roaming and on-line auto-rebuild			
Network	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/Remote, Set Password from Remote, View Setup Config, Playback, Export File, Control PTZ, 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 (USB Storage, Remote PC), Time Zone, Daylight Saving, Time Sync (CMOS Clock, NTP, Rdate Server)				
System Alarm	Cooling fan, disk and power alert through Web, E-mail, SNMP and buzzer				
S/W Upgrade	USB Memory Stick and Remote PC				
Hot-swap 3.5" SATA II tray	4	8	12	16	24
	with power/activity and failure status LED				
LCD Panel	Option	Option	Option	Option	Option
Form Factor	1U 19" rack mount chassis	2U 19" rack mount chassis	2U 19" rack mount chassis	3U 19" rack mount chassis	4U 19" rack mount chassis
Dimension / Weight	44(H) x 441(W) x 570(D)mm	88(H) x 441(W) x 570(D)mm	88(H) x 441(W) x 570(D)mm	133(H) x 441(W) x 570(D)mm	178(H) x 441(W) x 570(D)mm
	12 kgs (without drives)	16.6kgs(without drives)	18.6kgs (without drives)	23.3kgs(without drives)	30kgs(without drives)
Power Supply	250W power supplies with PFC x 1	650W power supplies with PFC x 1	650W power supplies with PFC x 2	650W power supplies with PFC x 2	810W power supplies with PFC x2
	AC 90V ~ 264V Full range, 16A ~ 8A, 47Hz / 63Hz				
Cooling Fan	4cm x 4cm System Fan x 2	8cmx 8cm System Fan x 2	8cmx 8cm System Fan x 2	8cmx 8cm System Fan x 4	8cmx 8cm System Fan x 4
Operating Temp	10°C ~ 50°C (50°F ~122°F)				
Relative Humidity	10% ~ 85%(non-condensing)				

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Bring the power of Linux into video surveillance!