



## > DVR Systems

Digital Video Recorders



Ready for PDA/Mobile surveillance !

Compatible with :   BlackBerry  Android



**imotion**  
www.imotionsecurity.com

## > Incredible Recording capabilities !

Up to 480 frames per second!



# 480



## > High performance evolutive solution

iMotion security offers the industry's leading open platform IP VMS. It acts as the core of your surveillance system, connecting all the hardware of your choice for an optimal, integrated solution. The software is offered in tiers as packaged solutions scaled to different business needs. XProtect uses a distributed server architecture that lets you place recording servers in the networks where the cameras are actually connected. This optimizes bandwidth usage. There are no limits to how many slave recording servers can be connected to an installation





## > Better protection

Business owners and directors of security recognize that the implementation of video surveillance equipment is of paramount importance to ensure their protection.

More than just a visual deterrent, these systems monitor store activity and launch alarms in the event of theft.



## Digital Video Recorders

Simple and Efficient Management System !

State-of-the-art yet remarkably simple to use, iMotion Security's digital video recorders raise digital video recording to new technological heights. Directly connected to a TCP/IP network, DVRs allow you to remotely access your digital videos and system administration tools, simply by using a standard web browser.



- > Powerful surveillance software with intuitive interface and easy to use. Quick and easy access via your 3G mobile phone or any WiFi network.



## Intelligent client software

Once installed, your iMotion DVR is accessible through your local network, your extended network or over the Internet, without the need for any other software. Video recording onto the hard-drive can be pre-programmed, triggered by an alarm or manually set. iMotion's video recorder has a user-friendly interface that presents a whole new set of possible options. Easy to read tabs and video search (by alarm or specific time) make iMotion's DVR the most versatile choice for management and security.



### iMotion DVR 4-30



- 4 CH, 30/30 FPS
- ASUS Mother Board P5KPL-AM EPU, G31
- Intel Dual Core CPU E5400, 2.7GHz
- 1GB DDR2 RAM and 500Gb HDD
- ASUS ATI 4350 Graphic Card, 512MB
- DVD±RW, keyboard and mouse
- Windows XP Operating system
- iMotion DVR Software

4-30



### iMotion DVR 8-240



- 8 CH, 240/240 FPS
- ASUS Mother Board P5KPL-AM EPU, G31
- Intel Dual Core CPU E5400, 2.7GHz
- 1GB DDR2 RAM and 500Gb HDD
- ASUS ATI 4350 Graphic Card, 512MB
- DVD±RW, keyboard and mouse
- Windows XP Operating system
- iMotion DVR Software

8-240



### iMotion DVR 16-120



- 16 CH, 120/120 FPS
- ASUS Mother Board P5KPL-AM EPU, G31
- Intel Dual Core CPU E5400, 2.7GHz
- 1GB DDR2 RAM and 500Gb HDD
- ASUS ATI 4350 Graphic Card, 512MB
- DVD±RW, keyboard and mouse
- Windows XP Operating system
- iMotion DVR Software

16-120



### iMotion DVR 16-240



- 16 CH, 240/240 FPS
- ASUS Mother Board P5KPL-AM EPU, G31
- Intel Dual Core CPU E5400, 2.7GHz
- 1GB DDR2 RAM and 500Gb HDD
- ASUS ATI 4350 Graphic Card, 512MB
- DVD±RW, keyboard and mouse
- Windows XP Operating system
- iMotion DVR Software

16-240



### iMotion DVR 16-480



- 16 CH, 480/480 FPS
- ASUS Mother Board P5KPL-AM EPU, G31
- Intel Dual Core CPU E5400, 2.7GHz
- 1GB DDR2 RAM and 500Gb HDD
- ASUS ATI 4350 Graphic Card, 512MB
- DVD±RW, keyboard and mouse
- Windows XP Operating system
- iMotion DVR Software

16-480



### iMotion DVR 32-960/480



- 32 CH, 960/480 FPS
- ASUS Mother Board P5KPL-AM EPU, G31
- Intel Dual Core CPU E5400, 2.7GHz
- 1GB DDR2 RAM and 500Gb HDD
- ASUS ATI 4350 Graphic Card, 512MB
- DVD±RW, keyboard and mouse
- Windows XP Operating system
- iMotion DVR Software

32-960/480

# > DVR - Major Advantages

These days, image quality is very important. Most of our customers now need to closely examine recordings and, especially, images - including reading license plates and identifying people and objects. A superior resolution, therefore yielding cleaner images and clearer and more precise information results in a significant improvement in the speed, precision and reliability of imaging.

## General Specifications

- Real time recording upto 32 channels
- PDA viewing
- Support IP cameras
- Central Management
- Point Of Sale (POS) Interface
- Door Access Control Integration
- Remote recording, audio recording
- TV Out, modem dial-in

DVR Camera Inputs	4, 8, 12, 16, 32 camera inputs
Display Speed	30, 60, 120, 240 and 480 fps NTSC
Recording Speed	30, 60, 120, 240 and 480 fps NTSC
Compression Method	MPEG-4 and H.264
Compression size	10 Gb per day for 4 channel 30 fps under continuous recording at 320 x 240
Resolution	640 x 480, 640 x 240, 320 x 240
Screen Viewing	1, 4, 7, 9, 13, 16, 32 splits and channel auto-switching, mosaic
Security Functions	Configurable user surveillance right on viewing channels, search, playback, backup, network control, print, colour adjustment, multi-access, audio, save image, etc...
Recording Method	Continuous, schedule, event, motion detection, pre & post, alarm, higher frames on motion
Motion	Full or partial motion detection with selectable sensitivity, object detection, people count
Transmission	LAN, Cable modem, ISDN, PSTN, WAN support internet - static and dynamic
Audio Recording	1 to 8 channel audio recording. Live audio at remote site
TV Out	Yes (RCA connection)
Alarmin/out	1-16 inputs, 1-8 outputs
Storage	Local and local network hard drive, NAS, Once/Recycle/Data retain
Multitasking	Monitor, record, playback, transmit, web broadcast, backup data, snap shot, watermark, E-map, event alert, search by event and object, bookmark, and change settings, live video in search mode.
Searching Method	By time, camera, event, object and text. Graphic interface time bar and calendar
Image Enhancement	Zoom in/out, sharpness, hue, saturation, contrast and brightness. Playback speed adjustment from 1/5 to 5x
Remote Access	Client software and web browser with unlimited multi-connection. Bandwidth is selectable - 28.8 to 100Mbps
Back-up Function	Manually backup, schedule backup, remote backup (HDD, DVD, DVD-RW, CD-RW, NAS and network)
OSD Function	On-screen display camera ID, location, motion, object, recording, alarm and storage space
PTZ	Many protocols built-in to support PTZ camera.
Watchdog	Hardware and software watchdog
Central Management	Central management multi DVRs, two-way audio communication through I-PHONE, central station management
Event Handling	Event type: system start, normal or abnormal shutdown, login, logout, motion or object detection, settings changed, disk full, No video signal, input, output, alert Event action type: send mail, call on event, report to central station, alert, full screen
POS interface	All transactions will be recorded on DVR, built-in search engine.
Access Control Interface	Fully integrated to access control system (PTZ control, door control, etc...)
Warranty	One (1) year on parts - Two (2) years on labour

**FLEXIBILITY**  
All our systems can be prepared according to your needs and specifications



**MacOS Compatible**  
All of our Embedded DVR are  
Fully compatible with MacOS 10.6 and up.



## iMotion eDVR 4-120 (Embedded)



4-120

- 4 channels - 120 FPS
- H.264 Extreme Performance D1 Recording
- Real time display at 720x480 resolution
- Easy back-up via built-in USB port, network PC or optional DVD-Drive
- Multi-Language OSD
- User-Friendly GUI & Mouse Operation
- Easy firmware upgrade via USB or network
- CMS unlimited remote connections
- Remote viewing via Windows PC or Mac OS
- Remote viewer and search through TCP/IP
- I.E. web browser support
- User friendly interface
- Dynamic IP solution (DDNS)
- VGA output for TFT/CRT LCD monitor
- 1 channel Audio input and 1 output
- Easy PTZ camera control



## iMotion eDVR 8-240 (Embedded)



8-240

- 8 channels - 240 FPS
- H.264 Extreme Performance D1 Recording
- Real time display at 720x480 resolution
- Easy back-up via built-in USB port, network PC or optional DVD-Drive
- Multi-Language OSD
- User-Friendly GUI & Mouse Operation
- Easy firmware upgrade via USB or network
- CMS unlimited remote connections
- Remote viewing via Windows PC or Mac OS
- Remote viewer and search through TCP/IP
- I.E. web browser support
- User friendly interface
- Dynamic IP solution (DDNS)
- VGA output for TFT/CRT LCD monitor
- 1 channel Audio input and 1 output
- Easy PTZ camera control



## iMotion eDVR 16-480 (Embedded)



16-480

- 16 channels - 480 FPS
- H.264 Extreme Performance D1 Recording
- Real time display at 720x480 resolution
- Easy back-up via built-in USB port, network PC or optional DVD-Drive
- Multi-Language OSD
- User-Friendly GUI & Mouse Operation
- Easy firmware upgrade via USB or network
- CMS unlimited remote connections
- Remote viewing via Windows PC or Mac OS
- Remote viewer and search through TCP/IP
- I.E. web browser support
- User friendly interface
- Dynamic IP solution (DDNS)
- VGA output for TFT/CRT LCD monitor
- 1 channel Audio input and 1 output
- Easy PTZ camera control

# > iMotion Embedded DVR Specifications

model		eDVR 4-120	eDVR 8-240	eDVR 16-480
Video	Camera Input HDMI Input Output	4 Channels N/A 4 (BNC) 1xBNC, 1xVGA(1280x1024)	8 Channels Video(1280x1024) and Audio 8 (BNC) 1xBNC, 1xVGA(1280x1024), 1xBNC Spot	16 Channels Video(1280x1024) and Audio 16 (BNC) 1xBNC, 1xVGA(1280x1024), 1xBNC Spot
Audio	Input Output	1xRCA 1xRCA	4xRCA 2xRCA	16xRCA 2xRCA
System	Operating System Internal HDD External HDD Sensor In (NO, NC) Relay out Serial Interface USB 2.0 Dimension (mm) Weight (w/o HDD/DVD) Adaptor	Embedded Linux OS 1x SATA HDD N/A N/A RS-485 1x Mouse, 1x Flash Drive 225(w)x46(h)x240(d) 0.85KG Input 100~240V Output 12V 3A	Embedded Linux OS Max. 2x SATA Devices 1x e-SATA Sensor-in x8 Relay-out x 1 RS-485 1x Mouse, 1x Flash Drive 430(w)x55(h)x293(d) 1.85KG Input 100~240V Output 12V 5A	Embedded Linux OS Max. 4x SATA Devices 1x e-SATA Sensor-in x16 Relay-out x 2 RS-485 1x Mouse, 1x Flash Drive 430(w)x55(h)x293(d) 1.85KG Input 100~240V Output 12V 6A
Display	Power Source Speed Resolution (pixels) Split Screen Auto Channel Mode	36W 120fps 720x480 (NTSC), 720x576 (PAL) 1,4, SEQ. Switching time: 1~999 sec Zoom(Digital 2x~8x), PIP, Auto SEQ.	60W 240fps 720x480 (NTSC), 720x576 (PAL) 1,4,8, SEQ. Switching time: 1~999 sec Zoom(Digital 2x~8x), PIP, Auto SEQ.	72W 480fps 720x480 (NTSC), 720x576 (PAL) 1,4,9,13,16, SEQ. Switching time: 1~999 sec Zoom(Digital 2x~8x), PIP, Auto SEQ.
Recording	Compression Main Recording Sub (Network) Picture Quality Mode Speed (NTSC) Speed (PAL) Pre-Alarm Post-Alarm Watermark Display Search Mode Zoom Snapshot Speed	H.264 ASP (Internet Transmission: H.264) 704x480, 704x240, 352x240 (NTSC) 704x576, 704x288, 352x288 (PAL) 352x240 (NTSC) 352x288 (PAL) Highest, High, Normal, Basic, Below Basic Manual, Motion, Schedule 120 fps D1 (704x480) 120 fps HD1 (704x240) 120 fps CIF (352x240) 100 fps D1 (704x576) 100 fps HD1 (704x288) 100 fps CIF (352x288) 10 SEC 1~60 SEC Yes 1,4	H.264 ASP (Internet Transmission: H.264) 704x480, 704x240, 352x240 (NTSC) 704x576, 704x288, 352x288 (PAL) 352x240 (NTSC) 352x288 (PAL) Highest, High, Normal, Basic, Below Basic Manual, Motion, Sensor, Schedule 120 fps D1 (704x480) 240 fps HD1 (704x240) 240 fps CIF (352x240) 100 fps D1 (704x576) 200 fps HD1 (704x288) 200 fps CIF (352x288) 10 SEC 1~60 SEC Yes 1,4,8	H.264 ASP (Internet Transmission: H.264) 704x480, 704x240, 352x240 (NTSC) 704x576, 704x288, 352x288 (PAL) 352x240 (NTSC) 352x288 (PAL) Highest, High, Normal, Basic, Below Basic Manual, Motion, Sensor, Schedule 120 fps D1 (704x480) 240 fps HD1 (704x240) 480 fps CIF (352x240) 100 fps D1 (704x576) 200 fps HD1 (704x288) 400 fps CIF (352x288) 10 SEC 1~60 SEC Yes 1,4,8,16
Playback	Device Network Interface Protocol Licensed Application Software Web Browser Account CMS	Int.HDD 10/100 Ethernet TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP Windows XP/VISTA/7 MAC OS 10.6 or above IE Browser 1 Admin + 4 Users Unlimited Connections Performace depends on bandwidth Symbian, Windows Mobile, Blackberry iPhone, Android Via E-mail	Int.HDD 10/100 Ethernet TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP Windows XP/VISTA/7 MAC OS 10.6 or above IE Browser 1 Admin + 4 Users Unlimited Connections Performace depends on bandwidth Symbian, Windows Mobile, Blackberry iPhone, Android Via E-mail	Int.HDD 10/100 Ethernet TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP Windows XP/VISTA/7 MAC OS 10.6 or above IE Browser 1 Admin + 4 Users Unlimited Connections Performace depends on bandwidth Symbian, Windows Mobile, Blackberry iPhone, Android Via E-mail
Backup	Interface Audio Backup Network Backup Device	USB 2.0 or SATA Yes Yes Network, USB flash drive	USB 2.0 or SATA Yes Yes Network, USB flash drive, DVD±RW (optional)	USB 2.0 or SATA Yes Yes Network, USB flash drive, DVD±RW (optional)
Alarm	Motion Detection Alarm Hold Time Event Search Event Log	Detected Frames: Unlimited / Channel Sensitivity: 10 levels per channel Area: Programmable individually 1~60 SEC Yes Up to 10,000 events(Sensor, Motion, Video Loss, Power On, Remote Login, Logout, HDD Error, HDD Full)	Detected Frames: Unlimited / Channel Sensitivity: 10 levels per channel Area: Programmable individually 1~60 SEC Yes Up to 10,000 events(Sensor, Motion, Video Loss, Power On, Remote Login, Logout, HDD Error, HDD Full)	Detected Frames: Unlimited / Channel Sensitivity: 10 levels per channel Area: Programmable individually 1~60 SEC Yes Up to 10,000 events(Sensor, Motion, Video Loss, Power On, Remote Login, Logout, HDD Error, HDD Full)
OSD & DVR	GUI Multi-Language	16-bit True Color English, Chinese (Traditional&Simplified), Japanese, German, French, Spanish, Thai, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Dutch, Persian)	16-bit True Color English, Chinese (Traditional&Simplified), Japanese, German, French, Spanish, Thai, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Dutch, Persian)	16-bit True Color English, Chinese (Traditional&Simplified), Japanese, German, French, Spanish, Thai, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Dutch, Persian)
Control	Camera Title USB Mouse Remote Controller System Upgrade Hard Key Pan/Tilt/Zoom Control	Multi-Language Included Included via USB or Network Front Panel Control from RS-485 Interface (Pelco P/D, Samsung, LG, LiLin)	Multi-Language Included Included via USB or Network Front Panel Control from RS-485 Interface (Pelco P/D, Samsung, LG, LiLin)	Multi-Language Included Included, Controls up to 4 DVRs via USB or Network Front Panel Control from RS-485 Interface (Pelco P/D, Samsung, LG, LiLin)



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