

eBOX611

Anti-vibration Mobile DVR System with 4 Channel Video up to 120 fps

New



Front view



Rear view



Features

- ▶ Supports up to 4 channel real-time 30fps video-in and 2 channel audio-in
- ▶ Supports WinCE/WinXP Embedded version DVR SDK
- ▶ High performance Socket 478 Intel® Pentium® M/Celeron® M processors
- ▶ Full feature I/O
- ▶ Low power consumption design
- ▶ Wide range vehicle 12V/24Vdc power support
- ▶ Easy swappable anti-vibration 2.5" HDD tray
- ▶ Wide temperature (-10~60°C) support
- ▶ Optional Wifi function

Specifications

Standard Color	Black
Construction	Heavy-duty steel
CPU	Intel® Pentium® M/Celeron® M processor up to 1.8G
System Memory	1 x 200-pin DDR SODIMM max. up to 1GB
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM SmartView and customer CMOS Backup
System I/O Outlet	2 x 9-pin D-Sub male connectors, COM 1, 2 for RS232 1 x 9-pin D-Sub female connector for USB 2.0 1 x 15-pin D-Sub female connector for VGA 1 x 15-pin D-Sub male connector for 7-in/7-out Digital I/O 2 x screw type 12V @ 1A DC-out connectors 1 x Line-out connector 1 x RJ45 connector for 10/100Base-T Ethernet 3 x USB 2.0 connectors (front side x 1, rear side x 2) 1 x PS/2 connector for KB/MS through Y-type cable 1 x VDC power input connector 1 x AT type power switch 2 x Video-in connectors 1 x Audio-in connector 1 x Antenna connector (optional)
Watchdog Timer	Reset supported; 255 level
Expansion Slot	1 x Type II CompactFlash™ slot 1 x swappable 2.5" HDD tray
System Indicator	1 x green LED for system Power-on 1 x orange LED for HDD active
Power Supply	Input rating: DC 9V~27V or 18~56V 1. V _{dc} 9-27 universal Output rating: 120W Output voltage: +5V _{dc} @ 8A, +12V _{dc} @ 1.5A, -12V _{dc} @ 0.5A, +3.3V _{dc} @ 5A 2. V _{dc} 18-56 universal Output rating: 100W Output voltage: +5V _{dc} @ 15A, +12V _{dc} @ 3.5A, -5V _{dc} @ 0.5A, -12V _{dc} @ 0.5A
Operating temperature	-10°C to 60°C (w/ W.T. HDD, DC P/S)
Storage temperature	-20°C to 80°C
Humidity	10-90% RH (no condensation)
Vibration endurance	2Grms w/ CF (5-500Hz, X, Y, Z directions)
Weight	2.6 kg
Certification	CE compliant
Dimension	225mm (8.86") (W) x 225mm (8.86") (D) x 77mm (3.02") (H)
EOS Support	XPE, WinCE, Liunx (by request)

*W.T.: Wide Temperature. All W.T. supported products have to be sorted by AXIOMTEK.

**XPE: Windows® XP Embedded

DVR Specifications

Video Resolution	NTSC: 320*240, 640*240, 640*480; PAL: 352*288, 640*288, 640*576
Video Adjustment	Hue, Contrast, U/V Saturation, Brightness (Each channel is independent)
Audio Capture	ADPCM CD quality (44.1 KHz)
Video Recording Speed	Each camera is adjustable independently from 1~30 frame/sec (NTSC); 1~25 frame/sec (PAL)
Video Compression	Cinepak Codec by Radius, Intel Indeo Video R3.2, Intel Indeo Video R4.5, Intel IYUV Codec, Microsoft Video 1, Indeo Video 5.10, Microsoft MPEG-4 VKI Codec, Full frames (Uncompressed)
Motion Detection	Independent set Motion Detection areas (1~18), Sensitivity and Recording rate for each camera
Application Function	
Video Resolution	Supports displaying and recording resolution at NTSC: 320*240, 640*240, 640*480 / PAL: 352*288, 640*288, 640*576
Video Adjustment	Hue, Contrast, U/V Saturation, Brightness (Each channel is independent)
Audio Capture	ADPCM CD quality (44.1 KHz)
Video Recording Speed	Each camera is adjustable independently from 1~30 frame/sec (NTSC); 1~25 frame/sec (PAL)
Language Selection	Supports multi-language (Traditional Chinese, Simplified Chinese, English, Japanese)
Synchronism of Audio and Video	Audio is together with video at the same file. Recording and playing are simultaneously
Screen Display Layout	Full, Focus, Tile, and Separated (1, 4, 9, 16)
Video Compression	Supportsmulti-compression Codec such as Cinepak Codec by Radius, Intel Indeo Video R3.2, Intel Indeo Video R4.5, Intel IYUV Codec, Microsoft Video 1, Indeo Video 5.10, Microsoft MPEG-4 VKI Codec, Full frames (Uncompressed)
Motion Detection	Independent set Motion Detection areas (1~18), Sensitivity (day & night) and Recording rate (no motion, on motion) for each camera

DVR Specifications

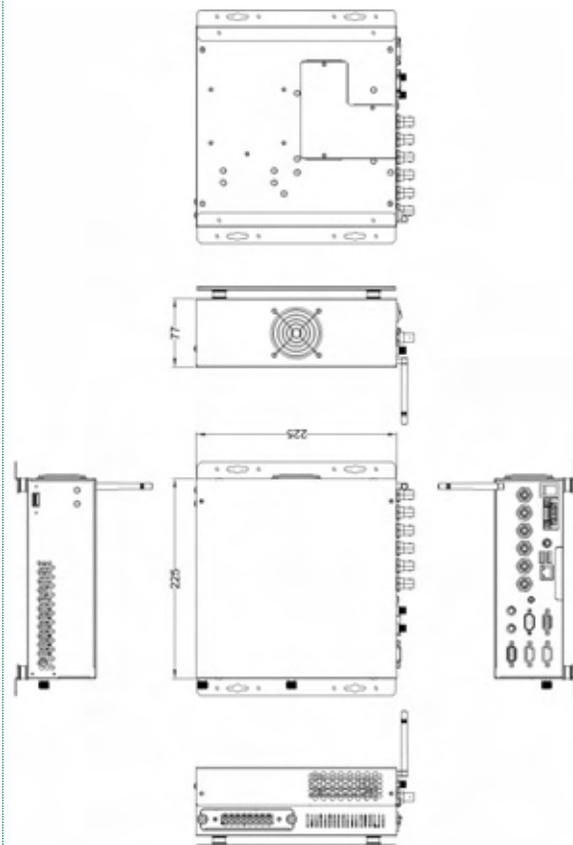
Pre, Post-Recording	Independent set 0~30 seconds for both of pre-recording and post-recording. Meanwhile, the frame rate can be accelerated to be real time at 30 frames/sec (NTSC) or 25 frames/sec (PAL) on motion detection record
Watermark	Watermark on video file to prevent altering. The style, position, and visibility can be designed and decided by users. The recording film is with camera name, location, and date on it
Full-Screen Display	Displays monitoring image in full-screen and also supports hot key F10 for switching
Hidden Record	Each channel can be hidden to do record video and audio, no need to install the spy camera physically
Alarm Notice	Notified by pre-programmed FAX, FTP and E-Mail with image attached
Log Files	View system log (video lost, video recovery, motion detection...etc.), store files and print files
Backup	Backup can be burned to be a CD via 3rd party program and play with Windows Media Player (corresponding codec needed) on any system
Record Mode	Continuously record, Motion detection record, Schedule record, Alarm record, & Time Lapse record with different color shown on the screen
Channel Names Setup	Sets up each channel's name displaying on screen in Chinese, English to describe the location and utility of the channel. The maximum length can be 20 characters
Alarm Trigger	Supports alarm trigger function, ex.: emergency, camera signal lost, disk error)
Alarm Sound Selection	Sets up different alarm sounds for different conditions (signal lost, motion detection...etc.) and each camera can be different sound even for the same condition
Minimize System Watch Dog	Minimizes system to Windows' task bar Auto-recovers to previous setup condition after system shutdown
System Current Status Display	Displays monitoring, operation status, system name and IP address
Camera Compatible	Color and Black & White cameras mixed are acceptable.
Playback function	
File Backup	Copy the whole file or delete file
Playback	Pause, backward/forward, and seek, previous/next frame, seek begin/end
Snapshot	Snapshot video and output to (BMP, JPEG) file or print out
Smart Search	Search file by channel, date and time, and "Missing Object Search"
Film Enhancer	Video quality can be enhanced frame by frame but can't be deleted
Multi players	(each player can view up to 16 cameras), search/playback video at the same time
	Provides system and network log

* Most features will be included in SDK or DVR application.

Ordering Information

Standard	
eBOX611-600-2C	2 channel video-in, 1 channel audio-in, 12V _{DC} -in 120W, C-M 600Mz/512K processor, 512MB RAM
eBOX611-1GE-4C	4 channel video-in, 2 channel audio-in, 12V _{DC} -in 120W, C-M 1GHz/0K processor, 512MB RAM
eBOX611-1.4G-4C	4 channel video-in, 2 channel audio-in, 12V _{DC} -in 120W, P-M 1.4GHz/1M processor, 512MB RAM
eBOX611-2C	2 channel video-in, 1 channel audio-in, 12V _{DC} -in 120W sub-system
Optional	
CompactFlash™	32M, 64M, 128M, 512M, 1G, 2G
2.5" HDD	20G, 40G, 60G, 80G
Power Supply	24V _{DC} -in 100W
DDR SDRAM	256M, 1G
Wifi	802.11b/g
DVR Application	Software for DVR Application, XP & XP Embedded

Dimensions



ECP Services and Solutions

Computer-On-Modules Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards & Accessories

Half-size CPU Cards, Backplanes

PC/104 Modules

Mini PCI Modules

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix