ACP-4000VS

Industrial 4U Hybrid Intelligent Video System

Features

- Industrial grade intelligent surveillance system with flexible hybrid system structure
- Free bundled VMS/CMS and SDK for AP software integration
- Free bundled and optional intelligent video analysis (IVA) software
- Supports analog/digital/IP cameras with hybrid structure
- 3 TB HDD for 16-ch of recording for 15 days (D1@240FPS)

WebAccess/IVS

CE FCC

Introduction

ACP-4000VS is an industrial hybrid intelligent video system. It provides great flexibility supporting both analog and IP cameras and comes with Advantech intelligent surveillance software - WebAccess+IVS. The embedded OS provides excellent reliability and protection against virus attack. ACP-4000VS supports analog/digital/IP cameras with hybrid structure preview and playback with motion detection, PTZ control, and HDD video backup. It also supports TCP/IP for preview and playback with full software functions via Internet/Intranet. ACP-4000VS is also pre-installed with several free bundled intelligent video analysis software to make your surveillance system more intelligent. Advantech's quality assurance and Configure To Order Services provide the best reliability for 24/7 operations. The advanced thermal design, and easy to operate user interface make the ACP-4000VS the ideal PC based surveillance solution for various applications.

Specifications

System	CPU	Intel® Core™ i7-3770S	
	Cache Memory	8MB	
	System Chipset	Intel Q67	
	Memory	4GB DDRIII (Max. Capacity 32GB)	
Storage	SSD Driver	Build-in 32G 2.5" SSD	
	HDD Driver	1 x 3.5" (3TB) SATA HDD (3 Drive Bay)	
Graphic	Chipset Integrated	Integrated Intel HD Graphics	
Analog Camera Support	Recording Standard	NTSC/PAL	
	Video Encoding	H.264	
	Maximum Frame Rate	30/25fps per channel	
	Analog Camera Inputs	Up to 32 channels D1/480FPS or 16 channels 1080p/160FPS HW encoder capture card selected	
IP Camera Support	Recording Resolutions	Up to 3 Megapixel	
	Video Encoding	H.264	
	Maximum Frame Rate	30fps per channel	
	Camera Inputs	Up to 32 channels D1/480FPS or 16 channels Full HD 1080P/160FPS IP cameras	
Inputs and Outputs	Display	VGA+DVI-D	
	USB	2 x USB 2.0 + 2 x USB 3.0	
	Network	2 x 10/100/1000 Mbps LAN Ports	
	Serial	2 x RS232	
	PS/2	2 (1 x keyboard and 1 x mouse)	
Environmental		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	10 ~ 85% @ 40 °C, non-condensing	10 ~ 95% @ 40 °C, non-condensing
Hardware and Physical	Power	AC 400W, ATX 100V$_{AC}$ ~ 240 V$_{AC}$	
	Storage	Up to 3 3TB 3.5" SATA HDD	
	Dimension (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")	
Third Party Integration	SDK Available for 3rd Party software integration	Supported	

WebAccess/IVS Function Description

Function	Specification	Description
Monitoring	Status display	▪ Displays status and lists events of system login/logout, lost video, cameras status, web and remote connection, storage space, backup, sensors, and DO status
	e-Map	▪ e-map layout shows the locations of video cameras, sensors and alarm devices, allowing you to control them and link actions to the surveillance system simultaneously; also provides a free tool for e-map editing
	Event log displaying	▪ Real time display for event listings and automatic refresh of video events in ViewLog
	Screen Split	▪ Full screen, 1, 4, 9, 10,13, 16 Sequencer, (Able to change time interval)
	Camera layout	▪ Assign name and adjustable font to each camera
	Quality adjustment	▪ Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback.
Recording	Resolutions	▪ Selectable recording resolutions (Depends on the capture card and IP camera selected)
	Compression format	▪ H.264
	Recording modes	▪ Cyclic Recording, Non-Cyclic recording, Event Triggered Recording, and Scheduled Recording
	Recording Quality	▪ Adjustable recording quality
	Recording Frame	▪ Adjustable recording frames of each camera and event
	Pre & Post Alarm Recording	▪ Adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds)
	Record file length	▪ Adjustable file length for record searching segment
Search & Playback	Playback Speed	▪ Single frame, 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x,16x, fast forward and rewind
	Playback Mode	▪ Can show up to 4 cameras' playback images simultaneously
	Search Mode	▪ Allows image searching by date, time, camera, and event. ▪ Calendar and time segment for day and time search. ▪ Selectable event time, event type, and camera IDs for event search
	Smart Search	▪ Able to search archives for incidents. Smart search list
	Image Transfer	▪ Able to save image as BMP, JPG and AVI format. ▪ Selectable day and time for video saving or using bookmark time record list directly.
	Bookmark	▪ Stores many bookmarks to facilitate searching.
Data Storage	Recording Time	▪ Recording length varies depending on recording quality, resolution, mode and activity ▪ Auto continuous recording-- oldest recorded data will automatically be overwritten when hard drive is full
	Backup	▪ Local: HDD/CD-RW/DVD-RW selectable/External USB HDD/CD-RW/DVD-RW ▪ Backup mode: Auto (schedulable) and Manual to backup video file
	Storage Path	▪ Adjust each storage path of each camera and reserve size. ▪ Setup each storage path to automatically delete the oldest file records
Alarm Notification	Event Action Plan	▪ Flexible, multiple event action plan. Able to define multiple actions taken for event source. ▪ Event source: motion detected, sensor triggered, video signal breaks, login failed, system abnormal and backup disk full etc. ▪ Event action: DO output, PTZ Control, e-mail sending, SMS notify, video file record, snapshots, phone/mobiles notification, warning sounds, video group play and specific program execute etc.
	E-mail and Phone notification	▪ E-mail notification with attached recording file or snapshot image of any event triggered ▪ E-mail and phone notification on multi event source. (with voice modem option)
	PTZ Activation	▪ Supports alarm setup with PTZ preset location.
	Sensor and DO	▪ Adjustable sensor, DO layout, schedulable
Network Control	IE Remote Control	▪ View live video, event list, PTZ control, and do remote recording, remote playback, remote setting, e-map function and remote snapshot through IE browser ▪ Supports 1, 4, 9, 10,13, 16 screen split
Operation	User Authority	▪ Multi-level password protection and unlimited user accounts for logins and passwords.
	Authority setting	▪ Allows authority settings of each user to each camera (local and remote monitor, playback, PTZ control, DO and e-map control, network connecting user numbers, with time limits, print and save function, control, etc.)
	PTZ Control	▪ Embedded PTZ control panel: Pan & Tilt, zoom control and preset function. ▪ Supports most popular PTZ protocol
	Dynamic IP support	▪ Built-in Web server. Supports dynamic IP.
	Language	▪ English, Traditional Chinese, Simplified Chinese
	Others	▪ Windows lockup ▪ Auto DVR login ▪ Auto reboot

Plus Package Benefits

WebAccess/IVS SDK available for 3rd party CMS or AP software integration

SDK

WebAccess/IVS
Intelligent Video Analytics (IVA)

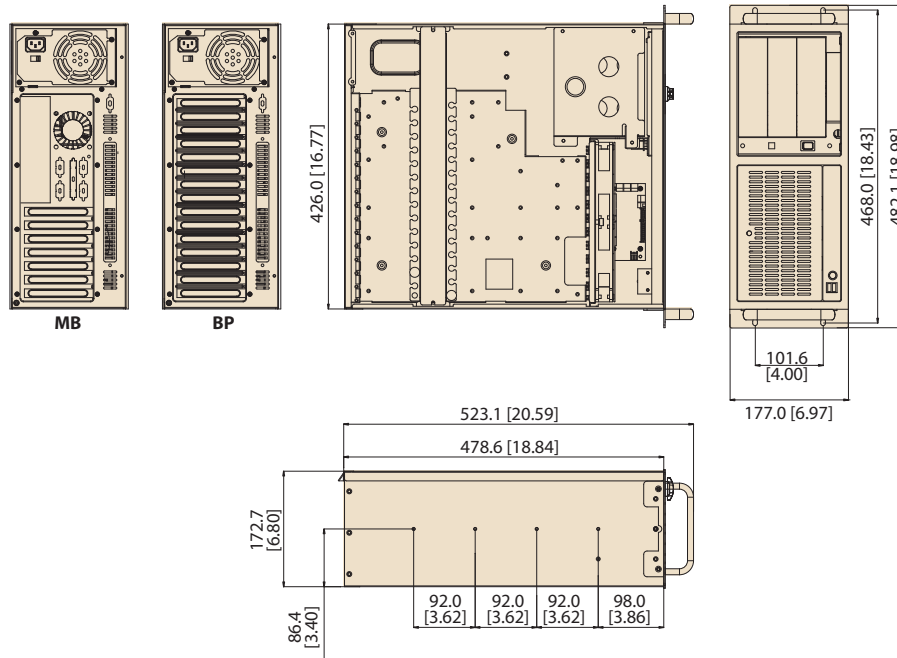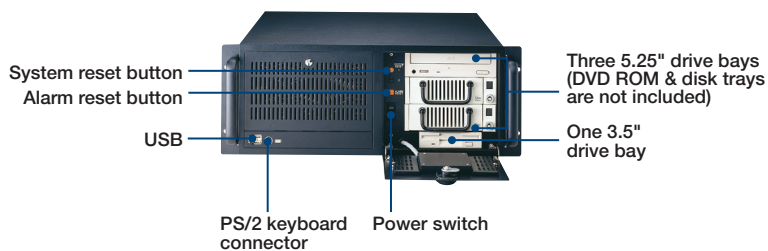Object Counting | People Counting | Camera Tamper | Optical Self Diagnostic | Motion Detection | Forbidden Zone | Demographic

Dimensions

Unit: mm [inch]

MB

BP

426.0 [16.77]

468.0 [18.43]
482.1 [18.98]

101.6 [4.00]

177.0 [6.97]

523.1 [20.59]

478.6 [18.84]

172.7 [6.80]

86.4 [3.40]

92.0 [3.62] 92.0 [3.62] 92.0 [3.62] 98.0 [3.86]

Front View

- System reset button
- Alarm reset button
- USB
- PS/2 keyboard connector
- Power switch
- Three 5.25" drive bays (DVD ROM & disk trays are not included)
- One 3.5" drive bay
- Two 85 CFM cooling fans

Ordering Information

Part Number	Description
ACP-4000VS-00A1E	Industrial 4U Hybrid Intelligent Video System: 3T_HDD/4G_RAM/32G_mSATA/Win7E X64/IVA_4CH
ACP-4000VS-16A1E	Industrial 4U Hybrid Intelligent Video System: 3T_HDD/4G_RAM/32G_mSATA/Win7E X64/IVA_16CH
ACP-4000VB-00A1E	Barebone W/O HDD / RAM / SSD / OS

Optional Accessories

Part Number	Description
DVP-7637E	4ch video capture card for analog cameras
DVP-7640E	8ch video capture card for analog cameras
DVP-7650E	16ch video capture card for analog cameras