

# 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	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)
Humidity		10 ~ 85% @ 40 °C, non-condensing 10 ~ 95% @ 40 °C, non-condensing	
Power		AC 400W, ATX 100V <sub>AC</sub> ~ 240 V <sub>AC</sub>	
Hardware and Physical	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 3 <sup>rd</sup> Party software integration	Supported	

## WebAccess/IVS Function Description

Function	Specification	Description
Monitoring	Status display	<ul style="list-style-type: none"> <li>Displays status and lists events of system login/logout, lost video, cameras status, web and remote connection, storage space, backup, sensors, and DO status</li> </ul>
	e-Map	<ul style="list-style-type: none"> <li>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</li> </ul>
	Event log displaying	<ul style="list-style-type: none"> <li>Real time display for event listings and automatic refresh of video events in ViewLog</li> </ul>
	Screen Split	<ul style="list-style-type: none"> <li>Full screen, 1, 4, 9, 10,13, 16 Sequencer, (Able to change time interval)</li> </ul>
	Camera layout	<ul style="list-style-type: none"> <li>Assign name and adjustable font to each camera</li> </ul>
	Quality adjustment	<ul style="list-style-type: none"> <li>Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback.</li> </ul>
Recording	Resolutions	<ul style="list-style-type: none"> <li>Selectable recording resolutions (Depends on the capture card and IP camera selected)</li> </ul>
	Compression format	<ul style="list-style-type: none"> <li>H.264</li> </ul>
	Recording modes	<ul style="list-style-type: none"> <li>Cyclic Recording, Non-Cyclic recording, Event Triggered Recording, and Scheduled Recording</li> </ul>
	Recording Quality	<ul style="list-style-type: none"> <li>Adjustable recording quality</li> </ul>
	Recording Frame	<ul style="list-style-type: none"> <li>Adjustable recording frames of each camera and event</li> </ul>
	Pre & Post Alarm Recording	<ul style="list-style-type: none"> <li>Adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds)</li> </ul>
	Record file length	<ul style="list-style-type: none"> <li>Adjustable file length for record searching segment</li> </ul>
Search & Playback	Playback Speed	<ul style="list-style-type: none"> <li>Single frame, 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x,16x, fast forward and rewind</li> </ul>
	Playback Mode	<ul style="list-style-type: none"> <li>Can show up to 4 cameras' playback images simultaneously</li> </ul>
	Search Mode	<ul style="list-style-type: none"> <li>Allows image searching by date, time, camera, and event.</li> <li>Calendar and time segment for day and time search.</li> <li>Selectable event time, event type, and camera IDs for event search</li> </ul>
	Smart Search	<ul style="list-style-type: none"> <li>Able to search archives for incidents. Smart search list</li> </ul>
	Image Transfer	<ul style="list-style-type: none"> <li>Able to save image as BMP, JPG and AVI format.</li> <li>Selectable day and time for video saving or using bookmark time record list directly.</li> </ul>
	Bookmark	<ul style="list-style-type: none"> <li>Stores many bookmarks to facilitate searching.</li> </ul>
Data Storage	Recording Time	<ul style="list-style-type: none"> <li>Recording length varies depending on recording quality, resolution, mode and activity</li> <li>Auto continuous recording-- oldest recorded data will automatically be overwritten when hard drive is full</li> </ul>
	Backup	<ul style="list-style-type: none"> <li>Local: HDD/CD-RW/DVD-RW selectable/External USB HDD/CD-RW/DVD-RW</li> <li>Backup mode: Auto (schedulable) and Manual to backup video file</li> </ul>
	Storage Path	<ul style="list-style-type: none"> <li>Adjust each storage path of each camera and reserve size.</li> <li>Setup each storage path to automatically delete the oldest file records</li> </ul>
Alarm Notification	Event Action Plan	<ul style="list-style-type: none"> <li>Flexible, multiple event action plan. Able to define multiple actions taken for event source.</li> <li>Event source: motion detected, sensor triggered, video signal breaks, login failed, system abnormal and backup disk full etc.</li> <li>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.</li> </ul>
	E-mail and Phone notification	<ul style="list-style-type: none"> <li>E-mail notification with attached recording file or snapshot image of any event triggered</li> <li>E-mail and phone notification on multi event source. (with voice modem option)</li> </ul>
	PTZ Activation	<ul style="list-style-type: none"> <li>Supports alarm setup with PTZ preset location.</li> </ul>
	Sensor and DO	<ul style="list-style-type: none"> <li>Adjustable sensor, DO layout, schedulable</li> </ul>
Network Control	IE Remote Control	<ul style="list-style-type: none"> <li>View live video, event list, PTZ control, and do remote recording, remote playback, remote setting, e-map function and remote snapshot through IE browser</li> <li>Supports 1, 4, 9, 10,13, 16 screen split</li> </ul>
Operation	User Authority	<ul style="list-style-type: none"> <li>Multi-level password protection and unlimited user accounts for logins and passwords.</li> </ul>
	Authority setting	<ul style="list-style-type: none"> <li>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.)</li> </ul>
	PTZ Control	<ul style="list-style-type: none"> <li>Embedded PTZ control panel: Pan &amp; Tilt, zoom control and preset function.</li> <li>Supports most popular PTZ protocol</li> </ul>
	Dynamic IP support	<ul style="list-style-type: none"> <li>Built-in Web server. Supports dynamic IP.</li> </ul>
	Language	<ul style="list-style-type: none"> <li>English, Traditional Chinese, Simplified Chinese</li> </ul>
	Others	<ul style="list-style-type: none"> <li>Windows lockup</li> <li>Auto DVR login</li> <li>Auto reboot</li> </ul>

## Plus Package Benefits

**WebAccess/IVS SDK**  
available for 3<sup>rd</sup> party CMS or  
AP software integration



**WebAccess/IVS**  
Intelligent Video Analytics (IVA)



Object Counting



People Counting



Camera Tamper



Optical Self Diagnostic



Motion Detection



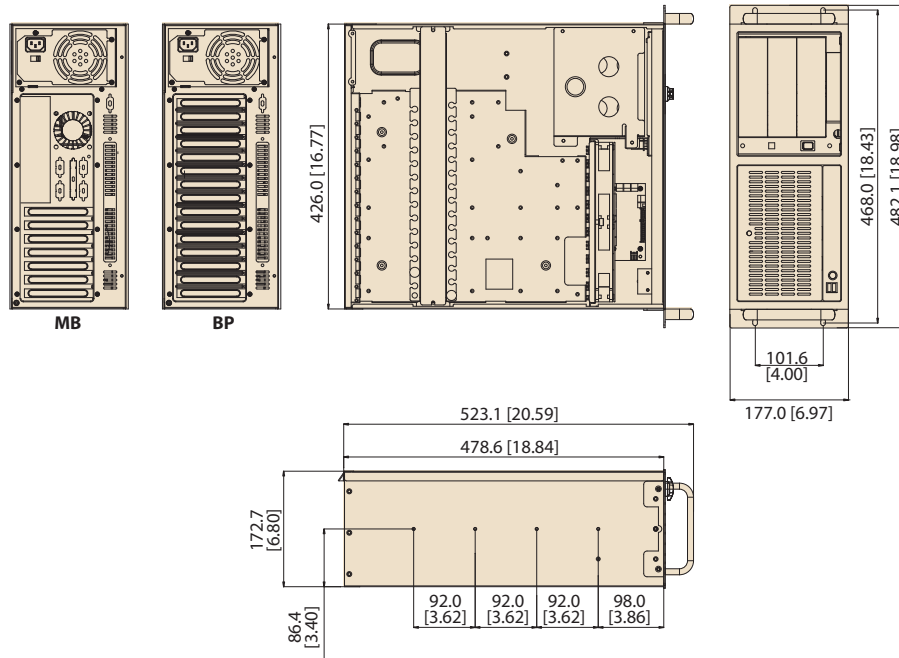
Forbidden Zone



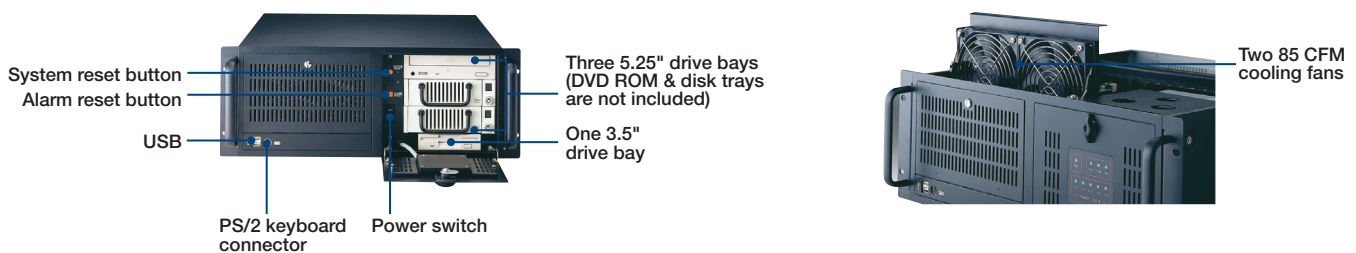
Demographic

## Dimensions

Unit: mm [inch]



## Front View



## 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