

PVS-500

16 Channel H.264 PC Based DVR System

NEW



ADVANTECH CTOS
Configure To Order Services

Microsoft
Windows
Embedded

RoHS
COMPLIANT
2002/95/EC

Features

- H.264 (MPEG4-Part10) Hardware compression
- Supports up to 16 channel video input
- Embedded system design for the highest stability
- Real time display and playback
- Industrial compact platform with advanced thermal design
- Real time status display and notification
- 3-year Warranty
- Powerful remote control functions via IE browser

Introduction

PVS-500 is a desktop H.264 PC based DVR with compact size and low noise design. It integrates up to 16 channel video input with PowerView surveillance kits for high performance complete video surveillance solutions. The embedded OS on DOM provide excellent reliability and protection against virus attack. It supports up to 16ch 480 FPS preview and playback with motion detection, PTZ control, and HDD video backup. It also supports TCP/IP (DHCP/DDNS compatible) for preview and playback with full software functions via Internet/Intranet. Advantech's Quality Assurance, and Configure To Order Services, provide the best reliability for 24/7 operations. The compact size, advanced thermal design, low acoustic noise, and easy to operate user interface make the PVS-500 the ideal PC based surveillance solution for retail, and small and medium size enterprises.

Specifications

Model	PVS-500-16HP	PVS-500-8HP
Video Channels	16	8
Audio Channels	16	8
Chipset	Intel® 945G + ICH7	
CPU	Intel® Pentium® 4, 3.0 GHz, 800 MHz FSB	
RAM	DDR2 667/533 MHz 1GB (512 MB x 2) Dual Channel	
VGA	Intel® Graphics Media Accelerator 950	
Storage	1 x 3.5" 500 GB SATA HDD, supports up to 2 SATA HDDs	
Operating System	Microsoft® Windows® XP Embedded (DOM)	
Power Supply	220 W, Single ATX power supply with full range	
Acoustic	Ultra Low Noise design on 39.5db	
Temperature	0 ~ 40° C (32 ~ 104° F)	
Humidity	10 ~ 85% @ 40°C non-condensing	
Dimensions	370 (W) X 88 (H) x 370 (D) mm (14.6" x 3.5" x 14.6")	
Weight	8.3 kg (18.3 lb)	

Video Function Description

Function	Specification	Description
Monitoring	Status displaying	<ul style="list-style-type: none"> Prompt status display and event lists of systems login/logout, video lose, cameras status, web and remote connection, storage space, backup, sensors, and DO status.
	e-Map	<ul style="list-style-type: none"> E-map layout shows the locations of video cameras, sensors and alarm devices that allow you to control them and the action will link to surveillance system simultaneously. Also provides free tool for e-map edition
	Event log displaying	<ul style="list-style-type: none"> Real time display for event list and automatic refresh of video event list in ViewLog.
	Screen Split	<ul style="list-style-type: none"> Full screen, 1, 4, 9, 10, 13, 16 Sequencer, (Able to change time interval)
	Camera layout	<ul style="list-style-type: none"> Assign name and adjustable font to each camera
	Quality adjustment	<ul style="list-style-type: none"> Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback.
Recording	Resolutions	<ul style="list-style-type: none"> Selectable recording resolutions (CIF, half D1, 4CIF) PAL: CIF (352 x 288), half D1 (704 x 288), 4CIF (704 x 576)/NTSC: CIF (352 x 240), half D1 (704 x 240), 4CIF (704 x 480)
	Compression format	<ul style="list-style-type: none"> H.264 (MPEG4-Part10)
	Recording modes	<ul style="list-style-type: none"> Cyclic Recording, Non-Cyclic recording, Event Triggered Recording (motion, alarm), and Scheduled Recording (provides 7 Record modes for assigning private setup)
	Recording Quality	<ul style="list-style-type: none"> Adjustable recording quality
	Recording Frame	<ul style="list-style-type: none"> Adjustable recording frames of each camera and event
	Motion Detection	<ul style="list-style-type: none"> Allows setting multi-zone motion detection, schedulable, adjustable motion detection sensitivity (100 degrees), alarm delay time.
	Audio recording	<ul style="list-style-type: none"> Supports 1-8 live audio recording (depends on product line)
	Pre & Post Alarm Recording	<ul style="list-style-type: none"> Adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds)
	Video format	<ul style="list-style-type: none"> Settable Video format (NTSC, PAL)
	Record file length	<ul style="list-style-type: none"> Adjustable file length for record searching segment
Search & Playback	Playback Speed	<ul style="list-style-type: none"> Single frame, 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, fast forward and rewind
	Playback Mode	<ul style="list-style-type: none"> Can show up to 16 cameras' playback images simultaneously
	Search Mode	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Able to search archives for incidents. Smart search list
	Image Transfer	<ul style="list-style-type: none"> Able to save image as BMP, JPG and AVI format. Adjust picture brightness, contrast and font before saving and printing. Selectable day and time for video saving or using bookmark time record list directly.
	Bookmark	<ul style="list-style-type: none"> Stores many bookmarks to facilitate searching.
Data Storage	Recording Time	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Local: HDD/CD-RW/DVD-RW selectable/External USB HDD/CD-RW/DVD-RW Backup mode: Auto (schedulable) and Manual to backup video file CD-Burning function Built-In (Needs Nero Burning ROM): able to burn on to an auto run CD/DVD. Able to option Backup Center for remote backup.
	Storage Path	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 sound playing, video group playing and execute certain programs etc
	E-mail and Phone notification	<ul style="list-style-type: none"> E-mail notification with attached recording files or snapshot images on any event source like event triggered. E-mail and phone notification on multi event source. (with voice modem option)
	PTZ Activation	<ul style="list-style-type: none"> Supports alarm setup with PTZ preset location.
	Sensor and DO	<ul style="list-style-type: none"> Adjustable Sensor, DO layout, schedulable
PowerView RX	Remote Control	<ul style="list-style-type: none"> View live video via Ethernet/Internet Remote event search, playback, e-map and setup. Monitor 32 cameras from DVRs.
Network Control	IE Remote Control	<ul style="list-style-type: none"> 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
	View by PDA	<ul style="list-style-type: none"> Live video viewable via PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC)

Video Function Description

Operation	User Authority	<ul style="list-style-type: none"> Multi-level password protection and unlimited user accounts for logins and passwords.
	Authority setting	<ul style="list-style-type: none"> 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.)
	Multi-Tasking	<ul style="list-style-type: none"> Playback, record, backup, transmit and remote control simultaneously
	PTZ Control	<ul style="list-style-type: none"> Embedded PTZ control panel: Pan & Tilt, zoom control and preset function. Support most popular PTZ protocol
	Dynamic IP support	<ul style="list-style-type: none"> Built-in Web server. Supports dynamic IP.
	Language	<ul style="list-style-type: none"> English, Traditional Chinese
	Watermark	<ul style="list-style-type: none"> Save as picture with unchangeable digital watermark
	Others	<ul style="list-style-type: none"> Windows lockup Auto DVR login Auto reboot

Configure to Order Services

Please visit Advantech CTOS portal for order entry and see "Video Surveillance Solutions".

<http://buy.advantech.com>

System Content



Real Time Status Display and Notification



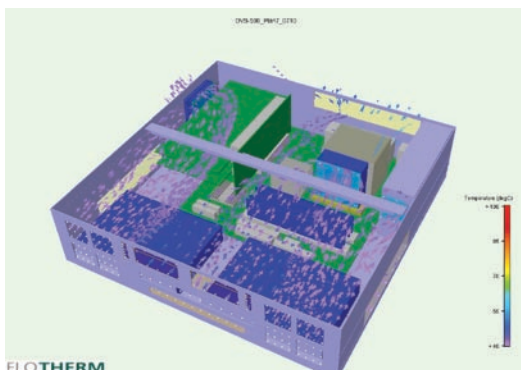
Quick Search by Calendar and Time segment



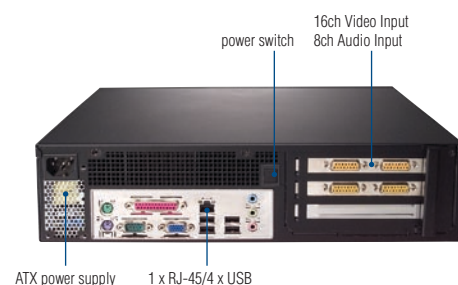
Intelligent eMap Function



Powerful Remote Control Functions via IE Browser



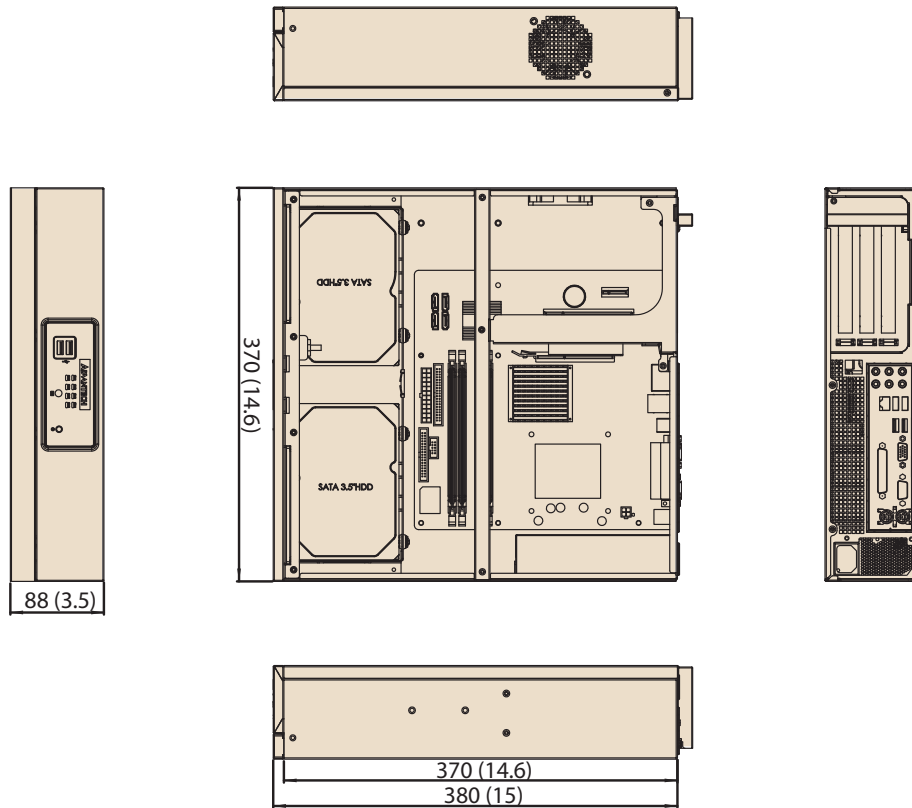
Airflow Simulation of PVS-500



Rear View of PVS-500

Dimensions

Unit: mm (inch)



Ordering Information

Model name	Description	Configuration	Key Parts (default configuration)
PVS-500-945G-16HP	16 CH 2CIF @ 480 fps or D1 @ 240 fps H.264 H/W Encode DVR Platform with Application software	PVS-500-945GE 2 x PV-2100E	1 x 3.0 Ghz Pentium 4 2 x 512 DDR2 RAM 1 x 500 GB SATA HDD
PVS-500-945G-8HP	8 CH 2CIF @ 240 fps or D1 @ 120 fps H.264 H/W Encode DVR Platform with Application software	PVS-500-945GE 1 x PV-2100E	

Note: Based on your ordering information, you can change key parts; please refer to CTOS portal: <http://buy.advantech.com>