PVS-500

16 Channel H.264 PC Based DVR System



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	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

Event Action Plan disk full etc. Alarm Notification 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 E-mail and phone notification on multi event source. (with voice modem option) PTZ Activation Supports alarm setup with PTZ preset location.	Function	Specification	Description
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Backup Recording Time Recording length varies depending on recording quality, resolution, mode and activity Data Storage Auto continuous recording oldest recorded data will automatically be overwritten when hard drive is full Data Storage Backup Local: HDD/CD-RW/DVD-RW selectable/External USB HDD/CD-RW/DVD-RW Backup 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. Adjust each storage path of each camera and reserve size. Storage Path Adjust each storage path to automatically delete the oldest file records Event Action Plan Flexible, multiple event action plan. Able to define multiple actions taken for event source. Event Action Plan Flexible, multiple event action plan. Able to define multiple actions taken for event source. Event Action Plan 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 E-mail and phone notification with attached recording files or snapshot images on any event source like event triggered. E-mail and phone notification Supports alarm setup with PTZ preset location.		D. I. I	
Auto continuous recording oldest recorded data will automatically be overwritten when hard drive is full Data Storage Backup 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 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. Adjust each storage path of each camera and reserve size. Storage Path Setup each storage path to automatically delete the oldest file records Flexible, multiple event action plan. Able to define multiple actions taken for event source. 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 Plan 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 E-mail and phone notification or multi event source. (with voice modem option) PTZ Activation Supports alarm setup with PTZ preset location.		BOOKMARK	
Data Storage Backup 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 Adjust each storage path of each camera and reserve size. Setup each storage path to automatically delete the oldest file records Flexible, multiple event action plan. Able to define multiple actions taken for event source. 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 sound playing, video group playing and execute certain programs etc E-mail and Phone notification E-mail and phone 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 Supports alarm setup with PTZ preset location.		Recording Time	 Auto continuous recording oldest recorded data will automatically be overwritten when hard drive is full
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Alarm Notification Event Action Plan Event source: motion detected, sensor triggered, video signal breaks, login failed, system abnormal and backup disk full etc. Alarm Notification E-mail and Phone notification, warning sound playing, video group playing and execute certain programs etc E-mail and Phone notification E-mail and phone notification or multi event source. (with voice modem option) PTZ Activation Supports alarm setup with PTZ preset location.		Storage Path	
Alarm Notification Event action: D0 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 E-mail and phone notification with attached recording files or snapshot images on any event source like event triggered. PTZ Activation Supports alarm setup with PTZ preset location.	Alarm Notification	Event Action Plan	• Event source: motion detected, sensor triggered, video signal breaks, login failed, system abnormal and backup
E-mail and Phone notificationE-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 ActivationSupports alarm setup with PTZ preset location.		Lvent Action Filan	• Event action: DO output, PTZ Control, e-mail sending, SMS notify, video file record, snapshots, phone/mobiles
			 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)
Sansor and DO			
, , , ,		Sensor and DO	Adjustable Sensor, DO layout, schedulable
PowerView RX Remote Control View live video via Ethernet/Internet Remote event search, playback, e-map and setup. Monitor 32 cameras from DVRs.	PowerView RX	Remote Control	 Remote event search, playback, e-map and setup.
Network Control IE Remote Cont	Network Control	IE Remote Control	e-map function and remote snapshot through IE browser
View by PDA Live video viewable via PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC)		1/2 1 004	

Video Function Description

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.)
	Multi-Tasking	 Playback, record, backup, transmit and remote control simultaneously
	PTZ Control	 Embedded PTZ control panel: Pan & Tilt, zoom control and preset function. Support most popular PTZ protocol
	Dynamic IP support	Built-in Web server. Supports dynamic IP.
	Language	 English, Traditional Chinese
	Watermark	 Save as picture with unchangeable digital watermark
	Others	 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

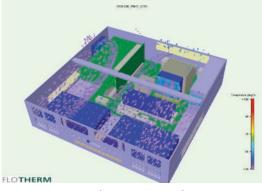
System Content



Real Time Status Display and Notification



Intelligent eMap Function



Airflow Simulation of PVS-500



Quick Search by Calendar and Time segment



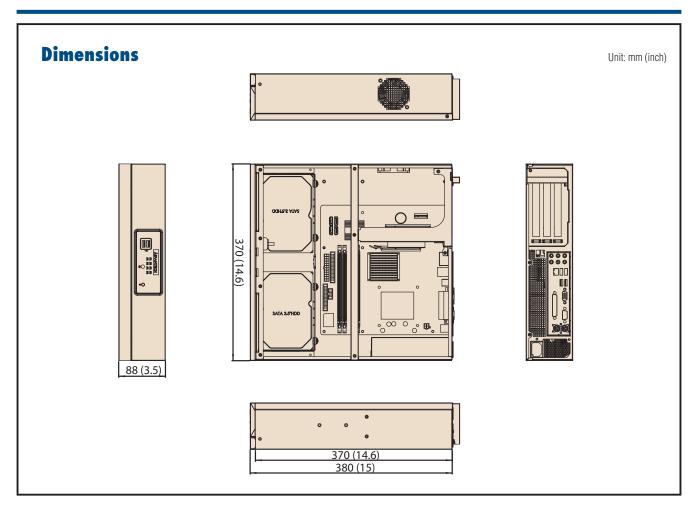
Powerful Remote Control Functions via IE Browser



ATX power supply 1 x RJ-45/4 x USB

Rear View of PVS-500

PVS-500



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
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	2 x 512 DDR2 RAM 1 x 500 GB SATA HDD

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