PVS-5120

16 Channel H.264 PC Based Wall-mount DVR



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
- All I/O interfaces are in the front
- 3 year warranty
- Powerful remote control functions via IE browser

Introduction

PVS-5120 is an all-in-one PC based DVR with advanced functions. Wall-mount design offers the flexibility of installation in a rack or on the wall. The high shock resistance helps PVS-5120 endure against adverse circumstances. Up to 16 channel video input with PowerView surveillance kits is an ideal combination for complete high performance video surveillance solutions. The embedded OS on DOM provides better reliability and resistance against virus attack. It supports up to 16ch 480 FPS preview and playback with motion detection, PTZ control, and backup video by HDD or DVD ±RW DL. It also supports TCP/IP (DHCP/DDNS compatible) for preview and playback with full software functions via Internet/Intranet. The front access I/O interface and expansion slots make it much easier to operate, replace air filter, and maintain while it is installed in an ATM, POS, gaming and other appliances.

Specifications

Model	PVS-5120-16HP	PVS-5120-8HP
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 1 GB (512 MB x 2) Dual Channel	
VGA	Intel® Graphics Media Accelerator 950	
Storage	1 x 3.5" 500 GB SATA HDD (default), Support up to 2 SATA HDDs	
Backup Device	1 x 5.25" SATA DVD±RW DL	
Operating System	Microsoft® Windows® XP Embedded (DOM)	
Power Supply	300 W, Single ATX power supply with full range	
Acoustic	Low Noise design on 52db	
Temperature	0 ~ 40° C (32 ~ 104° F)	
Humidity	10 ~ 85% @ 40°C non-condensing	
Dimensions	320 (W) X 164 (H) x 307 (D) mm (12.6" x 6.5" x 12.1")	
Weight	8.3 kg (18.3 lb)	

Video Function Description

Function	Specification	Description
Monitoring	Status Display	▪ Prompt status display and event lists of systems login/logout, lost frames, camera 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; the action simultaneously links to surveillance system. Also provides free tool for e-map edition.
	Event Log Display	▪ Real time display for event list and automatic refresh of video event list in ViewLog.
	Screen Split	▪ Full screen, 1, 4, 9, 10,13, 16 Sequencer, (Able to change time interval)
	Camera Layout	▪ Ability to assign private to each cameras' name and adjustable font displaying size and color
	Quality Adjustment	▪ Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback.
Recording	Resolutions	▪ 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	▪ H.264 (MPEG4-Part10)
	Recording Modes	▪ Cyclic Recording, Non-Cyclic recording, Event Triggered Recording (motion, alarm), and Scheduled Recording (provides 7 Record modes for assigning private setup)
	Recording Quality	▪ Adjust recording quality
	Recording Frame	▪ Adjustable recording frames of each camera and event
	Motion Detection	▪ Schedule multi-zone motion detection and adjust motion detection sensitivity (100 degrees), alarm delays and DO scheduling.
	Audio recording	▪ Supports 1-8 live audio recording (depending on product line)
	Pre & Post Alarm Recording	▪ Able to adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds)
	Video Format	▪ Adjustable Video format (NTSC, PAL)
	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	▪ Show up to 16 camera's playback image simultaneously
	Search Mode	▪ Search images by date, time, camera, and event. ▪ Calendar and time segment for day and time search. ▪ Select event time, event type, and camera IDs for event search
	Smart Search	▪ Able to search archives for incidents. Smart search list
	Image Transfer	▪ Save image in BMP, JPG and AVI format. ▪ Adjust picture brightness, contrast and font display before saving and printing. ▪ Selectable day and time for video saving or bookmark time to record directly.
	Bookmark	▪ Add time links into bookmark for 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 ▪ 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
Alarm Notification	Event Action Plan	▪ Flexible and multiple event action plan. Able to define multi action 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 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 setup of Alarm related with PTZ preset location.
	Sensor and DO	▪ Adjustable Sensor and DO layout and schedulable
PowerView RX	Remote Control	▪ View live video via Ethernet/Internet ▪ Make remote event search, playback, e-map and setup. ▪ Monitor 32 cameras from DVRs.
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 by IE browser ▪ Supports1, 4, 9, 10,13, 16 screen split
	View by PDA	▪ View live video on PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC)

Video Function Description

Operation	User Authority	▪ Multi-level passwords protection and unlimited user accounts for logins and passwords.
	Authority Settings	▪ Set authority by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, network connection, user numbers and time limits, print and save function controls etc.)
	Multi-Tasking	▪ Playback, record, backup , transmit and remote Control simultaneously
	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
	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



Quick Search by Calendar and Time segment



Intelligent eMap Function



Powerful Remote Control Functions via IE Browser

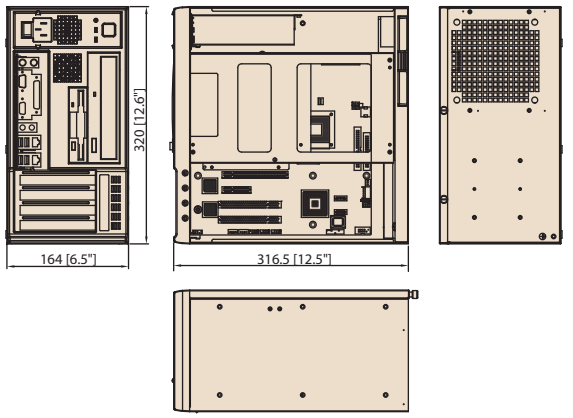
Ordering Information

Model name	Description	Configuration	Key Parts (default configuration)
PVS-5120-945G-16HP	16CH 2CIF @ 480 fps or D1 @ 240 fps H.264 H/W Encode DVR Platform with Application software	PVS-5120-945GE 2 x PV-2100E	1 x 3.0 GHz Pentium 4 2 x 512 MB DDR2 RAM 1 x 500 GB SATA HDD 1 x DVD±RW DL
PVS-5120-945G-8HP	8CH 2CIF @ 240 fps or D1 @ 120 fps H.264 H/W Encode DVR Platform with Application software	PVS-5120-945GE 1 x PV-2100E	

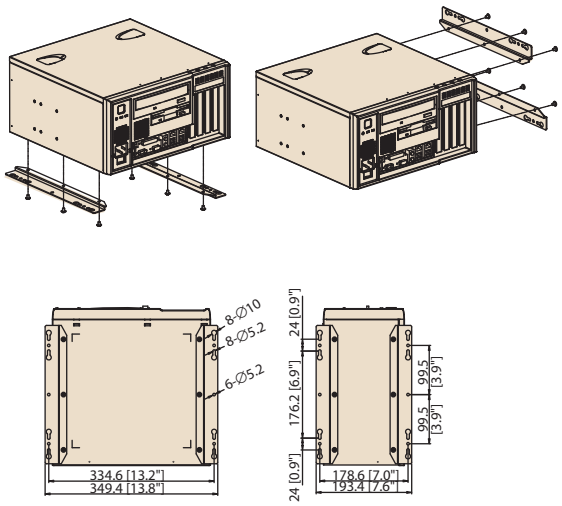
Note: Based on your ordering information, you can change key parts; please refer to CTOS portal: http://buy.advantech.com

Dimensions

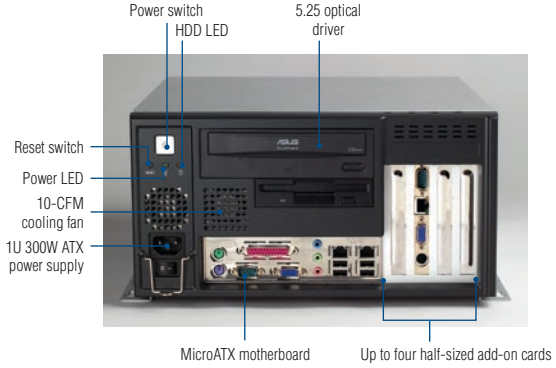
Unit: mm (inch)



Installation



Front View



The front view of PVS-5120

Inside View



Plug ring-lock securely fastens the power cord



Solid disk drive housing & easy-to-maintain fan filter



User-friendly mechanical design for installing an add-on card



Shock-resistant drive bay for holding an internal 3.5" HDD