

PVS-610E Series

Advanced Industrial 4U
Rackmount DVR System

NEW



Features

- 8/16/24 -channel video input*
- MPEG-4 H.264 (MPEG4-Part10) Hardware compression
- Resolution: CIF / half D1 / 4CIF
- Up to 4CIF resolution in display and recording mode with half the number of channels (hardware compression)
- Embedded system design for the highest stability
- Multiple backup options: external USB HD / CD±RW / DVD±RW DL
- Multiple remote surveillance and control functions
- Watchdog function

Introduction

PVS-610 series is the advanced industrial-grade digital video surveillance system designed to meet the requirements of modern security markets. PVS-610 series uses MPEG-4 H.264 hardware compression technology, and provides configurable display/recording frame rates (up to 30 fps) and configurable resolutions (from CIF to 4CIF) to meet various user requirements. The system supports up to 3 hard disk drives and external storage devices can be added for extra video data storage capacity. Embedded system design is used to prevent virus attack and provide the highest stability. Easy installation, simple operation, high scalability, advanced functions and strong remote management support make PVS-610 series the right choice for any security-critical environment.

Specifications

Resolution	CIF/half D1/4CIF
CPU	Intel Pentium 4, 3.0 GHz LGA 775
RAM	1GB DDR2 533
HDD	Optional (supports up to 3 SATA HDDs)
Chipset	Intel 945G
PCI Slots	5
Backup Device	DVD±RW DL
Operating System	Windows XP embedded OS License (DOM)
Storage Space	1 x 3.5" and 3 x 5.25" IDE drive bay
Power Supply	400 W power supply
Form Factor	4U
Dimensions (W x H x D)	482 x 177 x 478 mm (19" x 7" x 18.9")
Temperature Range	0 ~ 45° C (32 ~ 113° F)

* Channel number reduced to half when recording with 4CIF resolution

IO Module Options

Part Number	Description
Adam 4520	Isolated RS232 to 422/485 Converter
Adam 4055	8 -channel Isolated Digital Input and Output Module

Ordering Information

Part Number	Video Capture Cards	Application Software Version
PVS-610E	PC-based DVR system	

Option (Capture Card)

PVS-610-SE16-A1E	PV-1000 x 1	Powerview6000
PVS-610-HB8-A1E	PV-2100 x 1	Powerview6000
PVS-610-HB16-A1E	PV-2100 x 2	Powerview6000
PVS-610-HB24-A1E	PV-2100 x 3	Powerview6000

Note: All above mentioned software versions support software compression

System Function Description

Function	Specification	Description
Monitoring	Status Display	<ul style="list-style-type: none"> Prompt status displaying 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 provide the free tool for e-map edition
	Event Log Display	<ul style="list-style-type: none"> Real time displaying 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, 16,17, 24, Sequencer, (Able to change time interval)
	Camera Layout	<ul style="list-style-type: none"> Ability to assign private to each cameras' name and adjustable font displaying size and color
	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"> MPEG-4 / 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"> Ability to adjust 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"> Allowing setting multi-zone motion detection and schedulable, Able to adjust motion detection sensitivity (100 degrees), alarm delay time and do scheduling.
	Audio recording	<ul style="list-style-type: none"> Support 1-16 live audio recording (depend on product line)
	Pre & Post Alarm Recording	<ul style="list-style-type: none"> Able to 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"> Adjustable 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"> Allowing to show up to 16 (24) camera's playback image simultaneously
	Search Mode	<ul style="list-style-type: none"> Allows searching images 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"> Able to add plenty time links into bookmark for searching.
Data Storage	Recording Time	<ul style="list-style-type: none"> Allow to adjust each storage path of each camera and reserve size. Setup each storage path to automatically delete the oldest file records.
	Backup	<ul style="list-style-type: none"> Flexible and multiple event action plan. Able to define multi 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
	Storage Path	<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) Supports setup of Alarm related with PTZ preset location. Adjustable Sensor and DO layout and schedulable
Alarm Notification	Event Action Plan	<ul style="list-style-type: none"> Adjustable Sensor and DO layout and schedulable
	E-mail and Phone notification	<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.
PowerView RX	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 by IE browser Supports 1, 4, 9, 10,13, 16,17, 24 screen split Able to view live video by PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC)
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 by IE browser Supports 1, 4, 9, 10,13, 16,17, 24 screen split Able to view live video by PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC)
	View by PDA	<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 by IE browser Supports 1, 4, 9, 10,13, 16,17, 24 screen split Able to view live video by PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC)
Operation	User Authority	<ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords.
	Authority Settings	<ul style="list-style-type: none"> Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, 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. Supports most popular PTZ protocols
	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