

# PVS-640

## Advanced Industrial 4U Rackmount DVR System



### Features

- 3 year warranty
- 8/16/24/32-channel video input
- MPEG-4 S/W compression and H.264 (MPEG4-Part10) H/W 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
- Multiple remote surveillance and control functions
- Industrial-grade system platform with high efficiency cooling fan system

### Introduction

PVS-640 series is the advanced industrial-grade digital video surveillance system designed to meet the requirements of modern security markets. PVS-640 series uses MJPEG/MPEG-4 software compression technology/ H.264 hardware compression technology, and provides configurable display/recording frame rates (from 7.5 fps to 30 fps) and configurable resolutions (from CIF to D1) 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-640 series the right choice for any security-critical environment.

### Hardware Specifications

Model	PVS-640-16SA	PVS-640-8HP	PVS-640-16HP	PVS-640-24HP	PVS-640-32HP
Video Channels	16	8	16	24	32
Audio Channels	16	8	16	24	32
Chipset	Intel® 945G + ICH7				
CPU	Intel® Pentium® 4, 3.0GHz , 800MHz FSB				
RAM	DDR2 667/533 MHz 1GB (512MB x 2) Dual Channel				
VGA	Intel® Graphics Media Accelerator 950				
Storage	1 x 3.5" 500GB SATA HDD (default) , Support up to 3 SATA HDDs				
Operating System	Microsoft® Windows® XP Embedded (DOM)				
Power Supply	400W , Single ATX power supply with full range				
Temperature	0 ~ 50° C (32 ~ 122° F)				
Humidity	10 ~ 85% @ 40°C non-condensing				
Dimensions	482 (W) X 177 (H) x 480 (D) mm (19" x 7" x 18.9")				

### Video Function Description

Function	Specification	Description
Monitoring	Status Display	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	E-map layout shows the locations of video cameras, sensors and alarm devices that allow you to control them and simultaneously link to surveillance system. Also provide the free tool for e-map edition
	Event Log display	Real time displaying for event list and automatic refresh of video event list in ViewLog.
	Screen Split	Full screen, 1, 4, 9, 10,13, 16,17, and 24 Sequencer, (Able to change time interval)
	Camera Layout	Ability to assign private to each cameras' name and adjustable font displaying size and color
Recording	Quality Adjustment	Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback.
	Resolutions	<ul style="list-style-type: none"> <li>▪ Selectable recording resolutions (CIF, half D1, 4CIF)</li> <li>▪ 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)</li> </ul>
	Compression Format	MPEG-4 / 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	Ability to adjust recording quality
	Recording Frame	Adjustable recording frames of each camera and event

Recording	Motion Detection	<ul style="list-style-type: none"> <li>Allowing setting multi-zone motion detection and schedulable, Able to adjust motion detection sensitivity (100 degrees), alarm delay time and do scheduling.</li> </ul>
	Audio recording	<ul style="list-style-type: none"> <li>Support 1-32 live audio recording (depend on product line )</li> </ul>
	Pre & Post Alarm Recording	<ul style="list-style-type: none"> <li>Able to adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds)</li> </ul>
	Video format	<ul style="list-style-type: none"> <li>Adjustable Video format(NTSC, PAL)</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>Show up to 16 camera's playback image simultaneously</li> </ul>
	Search Mode	<ul style="list-style-type: none"> <li>Allows searching of images by date, time, camera, and event. 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>Search archives for incidents. Smart search list</li> <li>Able to save images as BMP, JPG and AVI format.</li> </ul>
	Image Transfer	<ul style="list-style-type: none"> <li>Adjust picture brightness, contrast and font before saving and printing.</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>Add time links into bookmark for searching.</li> </ul>
Data Storage	Recording time	
	Backup	
	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 and multiple event action plan. Able to define multi action 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 sound playing, video group playing and execute certain programs etc</li> </ul>
	E-mail and Phone notification	<ul style="list-style-type: none"> <li>E-mail notification with attached recording files or snapshot images on any event source like event triggers.</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 setup of Alarm related with PTZ preset location.</li> </ul>
	Sensor and DO	<ul style="list-style-type: none"> <li>Adjustable Sensor and DO layout and schedulable</li> </ul>
PowerView RX	Remote Control	<ul style="list-style-type: none"> <li>View live video via Ethernet/ Internet</li> <li>Make remote event search, playback, e-map and setup.</li> <li>Monitor 32 cameras from DVRs.</li> </ul>
Network Control	IE Remote Control	<ul style="list-style-type: none"> <li>Able to view live video, event list , PTZ control, and do remote recording, remote playback, remote setting, e-map function and remote snapshot by IE browser</li> <li>Supports 1, 4, 9, 10,13, 16, 17, and 24 screen split</li> </ul>
	View by PDA	<ul style="list-style-type: none"> <li>Able to view live video by PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC)</li> </ul>
Operation	User Authority	<ul style="list-style-type: none"> <li>Multi-level passwords protection and unlimited user accounts for logins and passwords.</li> </ul>
	Authority Setting	<ul style="list-style-type: none"> <li>Allowing to set authority of all user to each 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.)</li> </ul>
	Multi-Tasking	<ul style="list-style-type: none"> <li>Playback, record, backup, transmit and remote control simultaneously</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>Support 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</li> </ul>
	Watermark	<ul style="list-style-type: none"> <li>Save as picture with unchangeable digital watermark</li> </ul>
	Others	<ul style="list-style-type: none"> <li>Windows lockup</li> <li>Auto DVR login</li> <li>Auto reboot</li> </ul>

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