

DVS-640-945G

Industrial grade 4U, Core™ 2
Duo DVR platform with optional
Video Capture card



Features

- 4U industrial grade DVR Platform
- Advanced cooling design for capture card and hard drive
- Performance Core™2 Duo DVR platform
- Compatibility and certification test for various video capture card
- Dual Gigabit Ethernet delivers excellent network performance
- Visible LED indicators and audible alarm notification improves system availability and is easy to maintain with air filter
- Shock-resistant disk drive bay holds three 5.25" and one 3.5" front-accessible disk drives
- 8/16/24/32 channels video input
- H.264 , MPEG4 Hardware Compression / MPEG-4 Software Compression

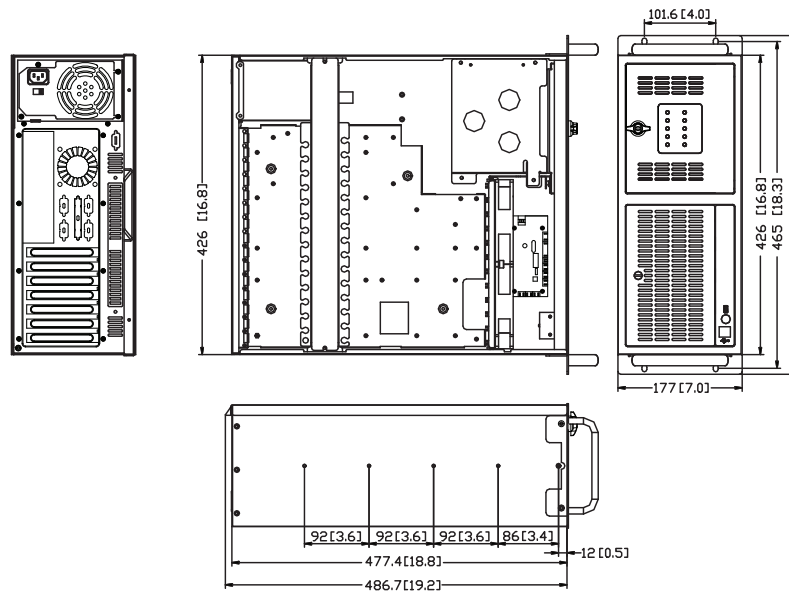
Introduction

The DVS-640-945G is a high performance video surveillance platform with 4U industrial chassis. It includes an optimized design on cooling system to improve the thermal condition when installing multiple video capture cards and hard drives. Combine with the industrial main boards with longevity support, the DVS-640-945G provides a wide range performance requirement from Celeron D to Core 2 Duo processors. With Advantech's quality assurance integration test and certification for different video capture cards give the system best reliability on 24x7 operation.

Specifications

Computing System	Chipset	Intel® 945G + ICH7R
	Processor (configurable)	Core 2 Duo/ Pentium 4/ Celeron D Processor
	Front Side Bus	533/800/1066 MHz
	L2 Cache	4MB (Core 2 Duo), 2MB/1MB (P-4), 512KB/256KB(Celeron-D)
	Memory (configurable)	Supports up to 4GB DDR2 667 Dual Channel
Graphics	Controller	Intel® 945G Integrated
	VRAM	Chipset integrated VGA controller sharing 224 MB system memory
Expansion Slots	PCI	32-bit/33MHz, 5 slot
	PCI Express x1	1.0 GB/s per direction, 1 slot
	PCI Express x16	4.0 GB/s per direction, 1 slot
Storage	Optical Drive (configurable)	1 x 5.25" SATA DVD+-RW
	Hard Disk Drive (configurable)	3 x SATA HDD
Drive Bays	5.25" (front -accessible)	3 (reserved for Optical Drive and HDD mobile rack)
	3.5" (front-accessible)	1 (reserved for FDD)
Ethernet	Interface	10/100/1000Base-T Gigabit Ethernet
	Controller	G-LAN1: Intel 82573, G-LAN2: Intel 82573
I/O Ports	Front I/O Ports	2 x USB, 1 x PS/2
	Rear I/O Ports	4 x USB, 2 x PS/2, 2 x COM, 1 x Parallel, 1 x VGA, 2 x RJ-45, 1 x LINE-Out, 1 x MIC-In, 1 x LINE-In
Power Supply	Power Output Wattage	400 Wattage
	Type	Single or Redundant ATX Auto-Switching with Power Factor Correction (PFC)
Cooling	Chassis Fan	3
	Air Filter	Yes
Environment	Temperature	Operating 0 ~ 40°C (32°F ~ 104°F), Non-Operating -20 ~ 60°C (-4°F ~ 140°F)
	Humidity	Operating 10 ~ 85% @ 40°C non-condensing, Non-Operating 10 ~ 95% @ 40°C non-condensing
Physical Characteristics	Color	Black
	Dimensions (W x H x D)	482 x 177 x 480 mm (19" x 7" x 18.9")
Slide Rail	(Optional and configurable)	20" to 28"
Operating Systems	(Optional and configurable)	Microsoft® Windows® XP Professional versionMicrosoft® Windows® XP Embedded (upon request)
Watchdog Timer	Output	Interrupt, system reset
	Interval	Programmable 1 ~ 255 sec

Dimensions



Configure to Order Services

Please visit Advantech CTOS portal for order entry
<http://www.advantech.com.tw/CTOS>

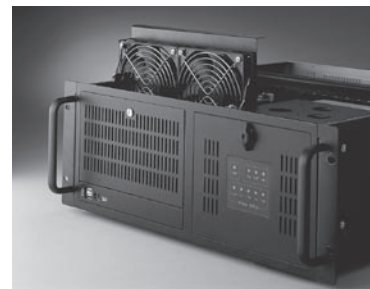
System Content

Item	Description
Chassis	Industrial 4U DVR Chassis
Motherboard	Intel 945G ATX Main board
Power system	400W ATX
CPU cooler	LGA775 UP TO 3.8GHz

Front View



Two 85-CFM cooling fans



Inside View

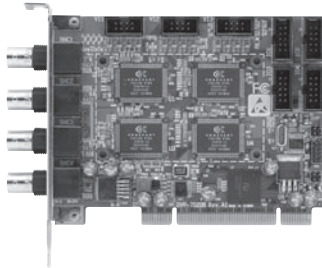


Rear View

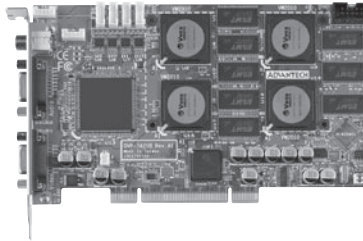


Optional Certificate Video Capture Card with SDK

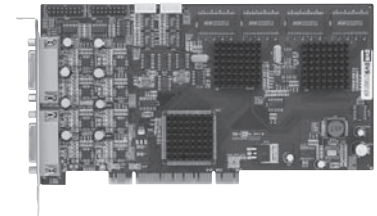
DVP-7020BE



DVP-7421BE



960T-DS-4008HCI



Ordering Information

Model name	Description	Configuration	Key Parts(configurable)
DVS-640-945G-8H	8 CH D1 @ 240 fps MPEG4 H/W Codec DVR platform with SDK	DVS-640-945G + 2 * DVP-7421BE	1 * 3.0G Pentium 4 2 * 512 DDRII RAM 1 * 500G SATA HDD(Default)
DVS-640-945G-16H	16 CH D1 @ 480 fps MPEG4 H/W Codec DVR platform with SDK	DVS-640-945G + 4 * DVP-7421BE	
DVS-640-945G-16SB	16 CH D1 @ 120 fps MPEG4 S/W DVR Platform with SDK	DVS-640-945G + 1 * 7020BE	
DVS-640-945G-8HK	8CH 2CIF@240 fps/D1@120 fps H.264 H/W Encode DVR Platform with SDK	DVS-640-945G + 1 * 960T-DS-4008HCI	
DVS-640-945G-16HK	16 CH 2CIF @ 480 fps/D1 @ 240 fps H.264 H/W Encode DVR Platform with SDK	DVS-640-945G + 2 * 960T-DS-4008HCI	
DVS-640-945G-24HK	24 CH 2CIF @ 720 fps/D1 @ 360 fps H.264 H/W Encode DVR Platform with SDK	DVS-640-945G + 3 * 960T-DS-4008HCI	
DVS-640-945G-32HK	32 CH 2CIF @ 960 fps/D1 @ 480 fps H.264 H/W Encode DVR Platform with SDK	DVS-640-945G + 4 * 960T-DS-4008HCI	

(For more pre-configure system, please refer to CTOS "DVR Platform or contact with Advantech sales force")

Certificate Video Capture Card

Part Number	Description
DVP-7020BE	16 CH D1 @ 120 fps PCI MPEG4 Software Encode Video Capture Card with SDK
DVP-7421BE	4 CH D1 @ 120 fps PCI MPEG1/2/4 Hardware Codec Video/Audio Capture Card with SDK
960T-DS-4008HCI	8 CH 2CIF @ 240 fps/D1 @ 120 fps PCI H.264 Hardware Encode Video/Audio Capture Card with SDK

Accessories

Part Number	Description
96RACK-5-ST-CR-B	Swappable Mobile Rack SATA HDD 1 transfer 1
96RACK-5-ST-CR-B1	Swappable Mobile Rack SATA HDD 2 transfer 3
96DVR-18X-ST-AS-B	18X SATA DVD+/-RW DL BLACK(G) (TW only)
96DVR-18X-ST-SN-B	18X SATA DVD+/-RW DL BLACK(G) (US only)
960T-MT-690120	General Devices 20" Rack Mount Slides
960T-MT-690122	General Devices 22" Rack Mount Slides (US only)
960T-MT-690124	General Devices 24" Rack Mount Slides
960T-MT-690126	General Devices 26" Rack Mount Slides (US only)
960T-MT-690128	General Devices 28" Rack Mount Slides (US only)
960T-MT-6901EB	Slide Extension Bracket 6" (per pair) (US only)