

# DVS-500

## Industrial Compact Platform for PC Based DVR

**NEW**



### Features

- Cost-effective advanced performance platform supports Intel® Core™ 2 Duo/Pentium® D/Pentium® 4/Celeron® D Processors
- Compact, robust, and flexible, with ATX/Micro ATX/Mini-ITX motherboard
- Compatibility and certification test for various video capture cards
- Advanced thermal and acoustic design for DVR
- Optional remote control module with direct keyboard mapping
- Supports 4/8/16 MPEG-4/H.264 video capture



### Introduction

The DVS-500 is a high performance video surveillance platform with a compact industrial chassis. It includes an optimized cooling system design that improves the thermal environment when installing multiple video capture cards and hard drives, along with lowered acoustic impact. Combined with long-life industrial main boards, the DVS-500 provides a wide range of performance levels from Celeron D to Core 2 Duo processors. The optional remote control module helps the system integrator integrate this convenient interactive functionality with DVR applications. Advantech's quality assurance integration tests and certifications for different video capture cards assure system reliability even for 24/7 operation. The compact size, low sound profile, and rugged design make it the ideal platform for retail, community, factory, or small and medium enterprise applications.

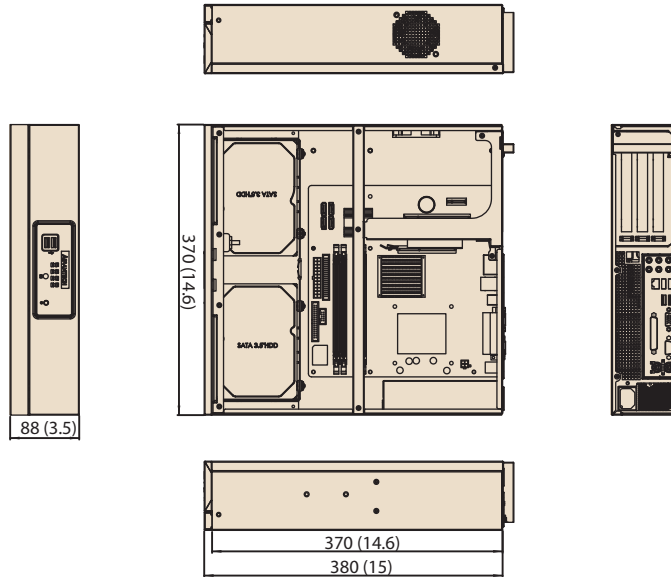
### Specifications

Computing System	Chipset	Intel 945G + ICH7	
	CPU* (configurable)	LGA775 Intel Core 2 Duo/Pentium D/Pentium 4/Celeron D	
	Front Side Bus	533/800/1066 MHz	
	L2 Cache	4 MB/2 MB (Core 2 Duo), 4 MB/2 MB (Pentium D), 2 MB/1 MB (Pentium 4), 512 KB/256 KB (Celeron D)	
	Memory* (configurable)	Supports up to 4 GB Dual Channel 240-pin, DIMM x 4, DDR2 667/533 MHz	
Graphics	Controller	Intel 82945G GMCH integrated Graphics Media Accelerator 950	
	VRAM	Intel DVMT 3.0 dynamically shared system memory up to 224 MB memory	
Expansion Slots	PCI	2 x 32-bit /33 MHz PCI, 1 extra slot reserved for DIO module	
Storage	Hard Disk Drive* (configurable)	3.5" SATA HDD, with advanced thermal design	
	Capacity	2 HDD	
Ethernet	Interface	10/100/1000Base-T Gigabit Ethernet	
	Controller	G-LAN: Intel 82573L	
I/O Ports	Front I/O Ports	2 x USB, IR remote control (upon request), 8 x Configurable Notification LEDs (upon request)	
	Rear I/O Ports	1 x VGA, 1 x RJ45 with LED connector, 1 x COM (RS-232), 4 x USB2.0, 1 x Parallel(SPP/EPP/ECP), 1 x PS/2 Keyboard, 1 x PS/2 Mouse, 3 x Audio I/O (MIC-In, Line-In, Line-Out)	
Power Supply*	Power Output Wattage	220 W	
	Type	Single ATX power supply with full range	
Cooling	Chassis Fan	1 (18.15 CFM)	
	Air Filters	2 (110 x 44 mm)	
Acoustic Noise		Less than 39 dB sound pressure at 5 ~ 28° C (41 ~ 82° F)	
Environment	Temperature	Operating	Non-Operating
		0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing
Physical Characteristics	Color	Black	
	Dimensions (W x H x D)	370 x 88 x 370 mm (14.6" x 3.5" x 14.6")	
	Weight	8.3 kg (18.3 lb)	
Operating System*		Microsoft Windows XP/2000, Windows XP Embedded	

\* Configurations vary by region. Please contact the Advantech sales force or refer to the CTOS DVR Platform for more details.

## Dimensions

Unit: mm (inch)



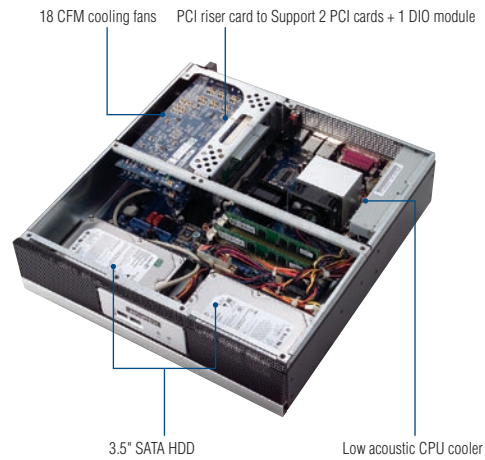
## Configure to Order Services

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

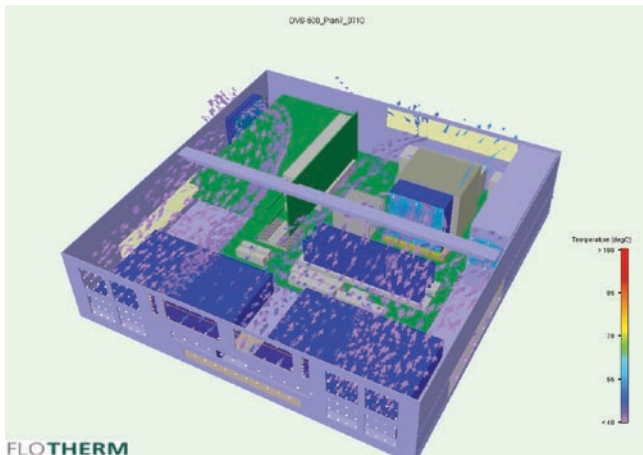
## System Content

Item	Description
Chassis	Compact PC Based Chassis
Motherboard	Intel 945G + ICH7 Motherboard*
Power system	220 W ATX
CPU cooler	LGA775 UP to Pentium-4 3.0 GHz (90 nm, 85 W, L2: 2 MB)

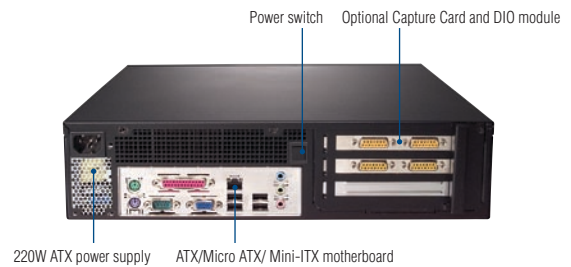
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The inside view of DVS-500



Advanced thermal design for better reliability



The Rear view of DVS-500

## Optional Certified Video Capture Card and DIO module

Part Number	Description
DVP-7010BE	4 CH D1 @ 30 fps PCI MPEG4 Software Encode Video Capture Card with SDK
DVP-7020BE	4 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-4004HCI	4 CH 2CIF @ 120 fps/D1 @ 60 fps PCI H.264 Hardware Encode 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
9692080400E	4 x DO + 4 x DI module for DVP-7010BE, DVP-7020BE and DVP-7421BE
9698080500E	8 x DI module for DVP-7010BE, DVP-7020BE
9658050000E	Direct Keyboard Mapping IR Remote Control Module Kit (upon request)

## Ordering Information

Model name	Description	Configuration	Key Parts (configurable)
DVS-500-945G-4SB1	4 CH D1 @ 30 fps MPEG4 S/W Encode DVR Platform with SDK	DVS-500-945G 1 x DVP-7010BE	1 x3.0 GHz Pentium 4 (Default) 2 x 512 DDR2 RAM (Default) 1 x 500 GB SATA HDD (Default)
DVS-500-945G-4SB	4 CH D1 @ 120 fps MPEG4 S/W Encode DVR Platform with SDK	DVS-500-945G 1 x DVP-7020BE	
DVS-500-945G-8SB1	8 CH D1 @ 60 fps MPEG4 S/W Encode DVR Platform with SDK	DVS-500-945G 2 x DVP-7010BE	
DVS-500-945G-4H	4 CH D1 @ 120 fps MPEG4 H/W Video/Audio Codec DVR platform with SDK	DVS-500-945G 1 x 7421BE	
DVS-500-945G-8H	8 CH D1 @ 240 fps MPEG4 H/W Video/Audio Codec DVR platform with SDK	DVS-500-945G 2 x 7421BE	
DVS-500-945G-4HK	4 CH 2CIF @ 120 fps/D1 @ 60 fps H.264 H/W Video/Audio Encode DVR Platform with SDK	DVS-500-945G 1 x 960T-DS-4004HCI	
DVS-500-945G-8HK	8 CH 2CIF @ 240 fps/D1 @ 120 fps H.264 H/W Video/Audio Encode DVR Platform with SDK	DVS-500-945G 1 x 960T-DS-4008HCI	
DVS-500-945G-16HK	16 CH 2CIF @ 480 fps/D 1 @ 240 fps H.264 H/W Video/Audio Encode DVR Platform with SDK	DVS-500-945G 2 x 960T-DS-4008HCI	
DVS-500-945GE	Compact Size DVR Platform with 945G Motherboard, Advanced CPU Cooler, 220W Power and 1 x System Fan		N/A