

DVS-350

Advanced Embedded/Mobile Digital Video System

NEW



CE FCC

Features

- Up to 16 composite video inputs that can share a total frame rate of 120/100 fps
- Anti-vibration, anti-shock design to ensure maximum reliability
- Fanless design within sealed construction
- X86 architecture for easy application development & integration
- TV-OUT, WLAN and DI/DO support
- Wide power source for surge protection (9 ~ 30 V DC)
- Optional video management software

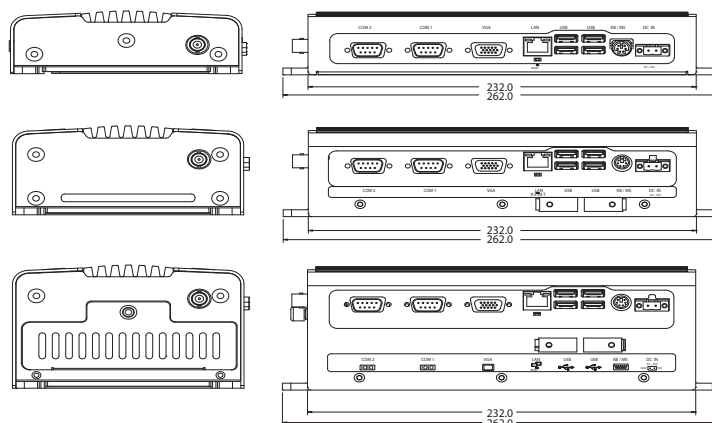
Introduction

The DVS-350 provides the digital video market a perfect solution for applications in harsh environments. The DVS-350 is the smallest industrial grade PC-based system that supports 4-16 camera inputs. The X86 open platform eases application software integration. It is well-designed for installation in any mission-critical environment with its fanless, anti-vibration and anti-shock protection. The wide power range 9 to 30 V DC can protect the system from power surges while used on vehicles. This feature combined with TV-OUT, WLAN, isolated DI and relay DO, make the DVS-350 the best solution for embedded/mobile applications.

Specifications

		DVS-350-18S4/M0	DVS-350-25S4/M0	DVS-350-35S4/M0
Video Capture Function	Video Standard	Composite for NTSC/PAL		
	Video Input	4 ~ 16 channels sharing a total of 120 fps		
	Capture Resolution	Up to VGA resolution - 640 x 480 (NTSC)/640 x 576 (PAL)		
	Total Capture Frame Rate (NTSC/PAL)	120/100 fps		
	Image Processing	Hardware adjustment of hue, contrast, saturation, and brightness		
Software Development Kit	Data Output Format	Multiple YCrCb, RGB, and YUV planar formats supported		
	Operating System	Supports Microsoft Windows® XP with SP2, Windows XP embedded and Windows 2000 with SP4		
	DirectX Support	Version 9 or above		
	Demo Program	Complete demo program with C++ source code for reference		
Processor System	CPU	Intel Celeron ULV 600 MHz (M0) / Pentium M LV 1.4 GHz (S4)		
	Chipset	Intel 852GM		
	L2 Cache	512 K for Celeron 600 MHz (M0) / 2 MB for Pentium M LV 1.4 GHz (S4)		
	BIOS	AWARD 4 Mbit BIOS		
Memory	Technology	ECC DDR 200/266/333 modules		
	Max. Capacity	1 GB		
	Socket	200-pin SODIMM		
Graphic	Chipset	Chipset integrated VGA controller		
	Memory Size	Shared system memory up to 64 MB		
	Resolution	Up to 1600 x 1200 @ 85 Hz and 2048 x 536 @ 75 Hz		
	TV-OUT	Composite out (BNC type)		
Ethernet	Interface	10/100Base-T		
	Controller	Intel 82551ER		
	Connector	RJ-45		
	WLAN (Optional)	802.11a/b/g		
Storage	IDE-0	Internal 30 GB HDD	2.5" HDD Tray	Swappable 3.5" HDD Tray
	IDE-1	CompactFlash socket for type I/II		

Dimensions



Unit: mm

Specifications Cont.

I/O Interface	TV-OUT	1 Composite Out with BNC and AV connector		
	VGA	1 (D-sub 15-pin)		
	LAN	1 (RJ-45)		
	USB	4 (USB 2.0, 480Mbps)		
	Audio	AC97 - LINE-OUT, MIC-IN		
	Serial	COM1: RS-232, COM2: RS-485/RS-422		
	PS/2	1 (keyboard and mouse with Y cable)		
	DIO	5 x Isolated DI, 2 x Relay DO, 1 x Remote SW control		
	MiniPCI	1 (for WLAN module)		
	Power Switch	External Connector		
Power Requirement	Management	APM 1.2, ACPI supported		
	Power Consumption	Maximum 45 W		
	Input Voltage	9 ~ 30 V DC, Typical 9 V DC @ 5.4 A, 19 V DC @ 2.9 A		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	Programmable 1 ~ 255 sec.		
Physical Characteristics	Construction	Aluminum housing		
	Mounting	Din-Rail mounting and desk/wall mounting		
	Dimensions (W x H x D)	232.0 x 138.4 x 45.0 (mm)	232.0 x 138.4 x 65.0 (mm)	232.0 x 138.4 x 90.0 (mm)
	Weight	2.0 kg	2.3 kg	2.9 kg
Environment	Temperature	Operating: -10 ~ 45 °C		
	Relative Humidity	Operating: -95% @ 40 °C (non-condensing)		
	Vibration Resistance	Operating: 1 Grms, IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 Oct/min, 1 hr/axis		
	Shock Resistance	Operating: 20 G, IEC 60068-2-27, half sine, 11 ms		

Ordering Information

Part Number	HDD Support	CPU	L2 Cache	Note
DVS-350-18S4	1.8"	Intel LV Pentium M 1.4 GHz	2 MB	Includes 30 GB HD & 512 MB RAM
DVS-350-25S4	2.5" HD tray	Intel LV Pentium M 1.4 GHz	2 MB	Bare bone
DVS-350-35S4	3.5" Swapable HD Tray	Intel LV Pentium M 1.4 GHz	2 MB	Bare bone
DVS-350-18M0	1.8"	Intel Celeron ULV 600 MHz	512 K	Includes 30 GB HD & 512 MB RAM
DVS-350-25M0	2.5" HD tray	Intel Celeron ULV 600 MHz	512 K	Bare bone
DVS-350-35M0	3.5" Swapable HD Tray	Intel Celeron ULV 600 MHz	512 K	Bare bone

Part Number	Description
2062300304	4-channel video surveillance software
2062300308	8-channel video surveillance software
2062300316	16-channel video surveillance software