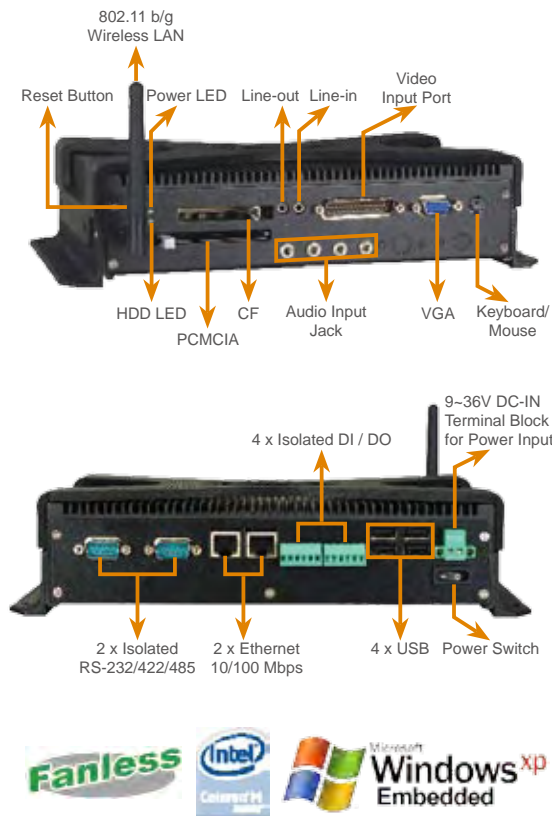


# VITO-350

*Embedded / Mobile Digital Video Server*

*With Intel® Celeron® M 423 1.06 GHz, 1 x VGA, 1 x wireless LAN, 2 x LAN, 2 x COM, 4 x USB, 1 x PC card slot, 1 x CF slot, 1 x IDE, 1 x SATA, 4 x isolated DI / DO, 16 channels NTSC/PAL/SECAM in total 120 fps@DI, 4 channels capture audio, 1 x TV-out*



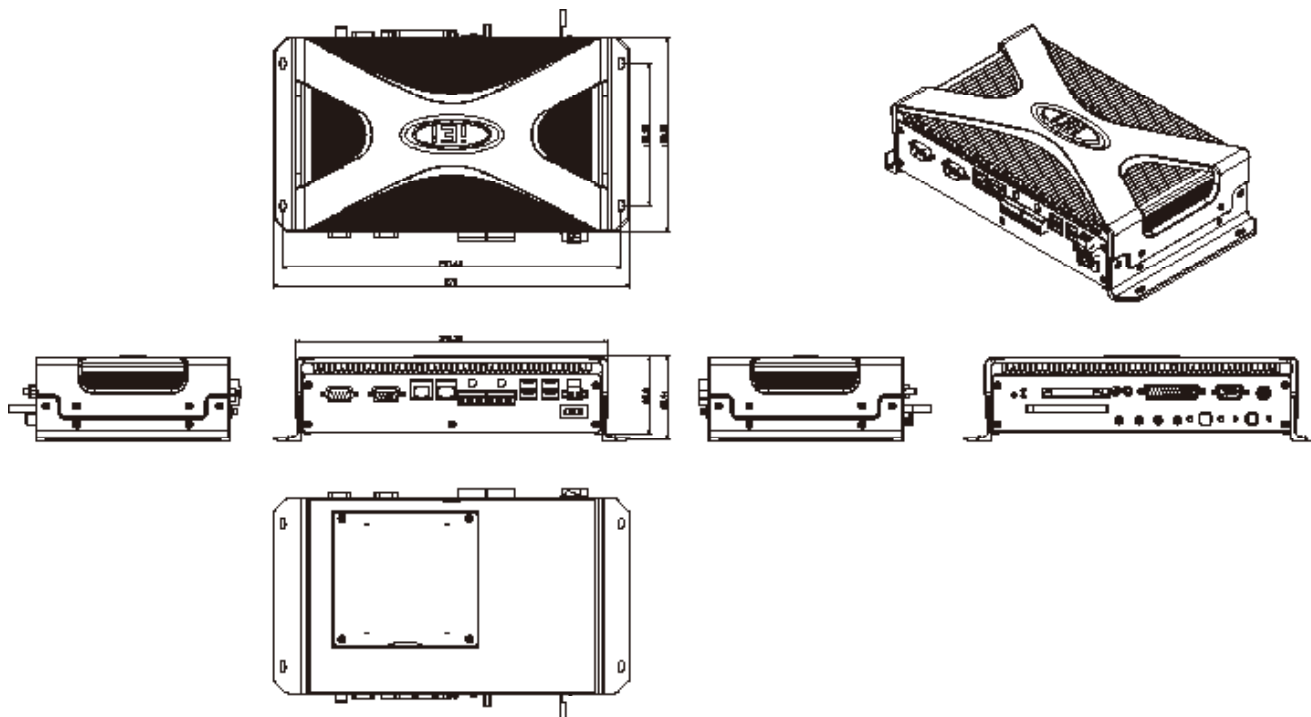
## Features

- Up to 16 channels composite for NTSC/PAL/SECAM, total 120 fps@D1, DB-15 to BNC
- One TV-out
- Two isolated RS-232/422/485 (9-pin D-SUB)
- Two 10/100 Mbps Ethernet ports and four USB ports
- One PC card slot supports PCMCIA and one CompactFlash™ slot
- Four isolated DI / DO
- Supports Modbus/RTU and Modbus/TCP devices
- Support 802.11 b/g wireless LAN communication
- Best video quality with 10-bit ADC and 4H Comb for NTSC/SECAM/PAL
- Best weak and non-standard signal performance (for far away security cameras and non-ideal environments)
- Fastest non-real time channel switching speed due to fast video locking time (more frames per second)
- 10-bit audio ADC for better audio quality
- Support up to four channels non-real time video and four channels non-real time audio
- Integrated remote control receiver for remote control of PC DVR
- Significant cost advantage over Conexant
- Low power consumption
- Fanless design within sealed construction
- Anti-vibration, anti-shock design to ensure maximum reliability

## Specifications

<b>Model name</b>	<b>VITO-350</b>				
<b>CPU</b>	Intel® Celeron® M 423 1.06 G / 1 M cache				
<b>System Chipsets</b>	Intel® 945GME + ICH7-M				
<b>Memory socket</b>	1 x 200-pin 2 GB (max.) 667/533/400 MHz DDR2 SDRAM DIMM				
<b>Memory size</b>	512 MB				
<b>Display interface</b>	VGA 15-pin D-SUB output				
<b>OS support</b>	Windows® XP / XP Embedded				
<b>On-board</b>	<b>SDK</b>	DirectX support : Version 9 or above SDK : SDK for VC++ with demo AP, WDT and DIO APIs			
	<b>Video capture</b>	<b>Video input</b>	16 x BNC composite video channels, NTSC/PAL/SECAM auto sensing		
		<b>Video output</b>	1 x TV-out 1 x S-Video		
		<b>Capture resolution</b>		NTSC:	PAL / SECAM
				720 x 480	720 x 576
			704 x 480	704 x 576	
			640 x 480	640 x 576	
		320 x 240	352 x 288	176 x 144	
	<b>Total frame rate</b>	NTSC: Total 120 fps@D1 for 16 channels PAL/SECAM: 100 fps@D1 for 16 channels			
	<b>Video compression</b>	Software compression			
<b>Audio capture</b>	<b>Audio input</b>	Four analog audio inputs for four video inputs			
	<b>Audio output</b>	-			
	<b>Audio Compression</b>	Software compression			
	<b>Sampling rate</b>	8-bit, 16-bit and 24-bit (hardware spec.)			
<b>Quantization</b>	8-bit, 16-bit and 24-bit (hardware spec.)				
<b>Functionality</b>	<b>Video/audio synchronization</b>	YES			
	<b>Video loss detection</b>	YES			
	<b>On-screen display</b>	YES			
	<b>Motion detection</b>	YES			
<b>I/O interface</b>	<b>Button/switch</b>	1 x Reset button / 1 x Power switch			
	<b>Audio</b>	1 x Line-out, 1 x Line-in			
	<b>Mouse/keyboard</b>	1 x PS/2			
	<b>VGA</b>	1 x VGA			
	<b>External CF card slot</b>	1 x CF card slot			
	<b>External PC Card Slot</b>	1 x PC card slot (supports PCMCIA)			
	<b>Printer port</b>	-			
	<b>USB port</b>	4 x USB 2.0			
	<b>Serial port</b>	2 x Isolated RS-232/422/485 (9-pin D-SUB), 115.2 kps (max. )			
	<b>Ethernet port</b>	2 x Ethernet (10/100Base-T with RJ-45 port)			
<b>I/O Type</b>	<b>Wireless LAN</b>	802.11 b/g wireless LAN (Mini PCI)			
	<b>Digital input channel</b>	4-channel isolated DI			
	<b>Digital output channel</b>	4-channel isolated DO			
<b>Storage interface</b>	1 x External CF type I/II slot 1 x IDE 1 x SATA				
<b>Storage</b>	1 G CF card or 2.5"/1.8" 40 G HD (optional)				
<b>LED indicator</b>	Power LED, HDD LED				
<b>Watchdog timer</b>	Yes				
<b>Power requirement</b>	9-36 VDC (e.g +24 V@1.5 A)(min.36 W), AT				
<b>Operating environmental</b>	Operation temperature: 0 ~ 60°C, Relative humidity: 5 ~ 95 % RH without condensation, Vibration: 5-17 Hz, 0.1" double amplitude displacement, 17-640 Hz, 1.5 G acceleration peak to peak, Shock: 10 G acceleration peak to peak. (11ms)				
<b>Weight</b>	1.76 kg				
<b>Dimensions (WxDxH)</b>	275.00 mm x 150.25 mm x 65.41 mm				
<b>Color</b>	Black				
<b>Construction</b>	Aluminum extrusion, heavy-duty steel chassis				
<b>Mounting</b>	Wall mount, DIN-rail mount				

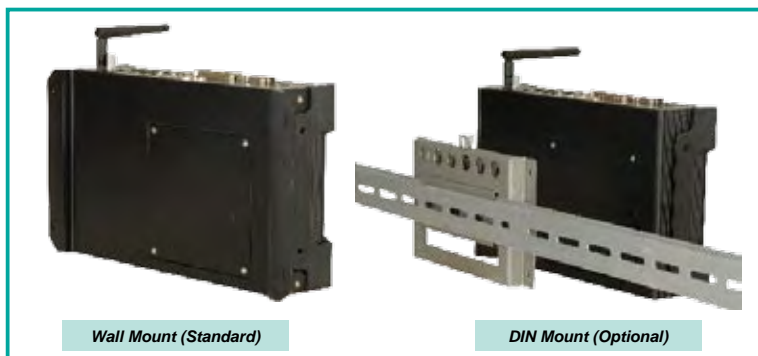
### Dimensions (Unit:mm)



### Packing List

- 1 x VITO-350
- 1 x Utility CD including SDK, utilities, and technical documents
- 1 x Null modem cable
- 1 x Screw kit
- 1 x PS/2 Y cable for KB&MS
- 1 x 25-pin DB25 to BNC cable
- 1 x Wall mount kit

### Mounting Support



Wall Mount (Standard)

DIN Mount (Optional)



**45W AC/DC Adapter**  
Part No: 63000-UP0451E24P56L-RS



1 x 25-pin DB25 to BNC Cable

### Options

PART NO	DESCRIPTION
VITO-350XPE-R10	1 GB CF memory card with built-in Windows® XP Embedded OS image, licensed sticker, and SLD S/W CD
IEIOPC-CSXPE-R10	IEI OPC server support Modbus /TCP/RTU mode protocol slave devices for Windows® XP Embedded (include local side OPC simple client view, configuration tool)
63000-UP0451E24P56L-RS	24 VDC 45 W power adapter with bare wire; 90~264 VAC input
DK-84MS	Din mount kit

### Ordering Information

PART NO	DESCRIPTION
VITO-350-R10	Embedded / Mobile Digital Video Server with Intel® Celeron® M 423 1.06 GHz, 512 MB 533 MHz DDR2 SDRAM, 1 x VGA, 1 x wireless LAN, 2 x LAN, 2 x COM, 4 x USB, 1 x PC card slot, 1 x CF slot, 1 x IDE, 1 x SATA, 4 x isolated DI / DO, 16 channels NTSC/PAL/SECOM in total 120 fps@D1, 4 channels capture audio, 1 x TV-out