

# ITA-3630VS

## Intel® 3rd Generation Core™ i Processor Fanless Intelligent Video System for Road Surveillance

**NEW**



WebAccess+IVS



### Features

- Supports Intel® 3rd Generation Core™ i5 BGA type CPU
- Intel® HM76 PCH
- Support wide temperature -25° C ~ 60° C
- Supports three independent displays
- 2 x 2.5" HDD or 1 x 2.5" HDD+1 x Easy-swap CF/DOM
- Built-in fixed bracket with 2 x USB2.0 port for Dongle
- Supports 9 ~ 36V wide range DC input

### Specifications

System Chipset	CPU	Intel i5-3610ME Processor		
	Max Speed	2.7 GHz		
	L3 Cache	4 MB		
	Chipset	Intel HM76		
	BIOS	AMI SPI 64 Mb		
Memory	Technology	DDR3 1333/1600, non-ECC		
	On board memory	4 GB on board		
	Socket	1 x 204-pin SODIMM (up to 8GB per DIMM) Note: SODIMM and HDD Tray has mechanism interferences, only 1 x HDD or 1 x CF can be used when you request to expand memory size		
	Maximum Capacity	12 GB		
Display	Chipset	Intel Integrated Graphics HD4000, support Direct x11		
	VGA	1 x DB15, max resolution up to 2048 x 1536		
	HDMI	1 x HDMI, support HDMI1.4 standard, max to 1920 x 1200 @ 60Hz		
	LVDS	Built-in interface, support 48-bit dual channel Convert to real I/O via cable (Front panel, Option)		
	eDP	Box Header on board		
Storage	HDD	Support 2 x 2.5" HDD or 2.5" HDD+CF module		
	SSD	1 x internal mSATA		
IP Camera Support	Recording Resolutions	Up to 3 Megapixel		
	Video Encoding	H.264		
	Maximum Frame Rate	30fps per channel		
	Camera Inputs	Up to 8 channels D1/240FPS or 4 channels Full HD 1080P/120FPS IP cameras		
I/O	USB	2 x USB3.0 & 4 x USB2.0		
	Serial Port	2 x DB9, RS232/422/485 with automatic flow control		
	DIO	1 x DB9, 8-bit		
	Audio	2 (1 x Line-Out, 1 x Mic-in)		
	PS2	1 x PS2		
	LPT	1 x DB26 (Front panel, option)		
	Network	2 x 10/100/1000 Mbps LAN Ports		
Expansion Slot	Mini PCIe	1 x internal Mini PCIe (Full-Size)		
LED & Button	LED	Power x 1/Storage x 1/Fault x 1		
	Button	Power on/off Switch x 1 Reset button x 1		
Power	Input Voltage	DC wide range 9V ~ 36V input		
	Interface	2-pin terminal block		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1-255 sec/min		
Environment	Vibration	CF/SSD: 2G @ 5 ~ 500 Hz, Random 10Oct./min, 1Hr/axis	HDD: 2G @ 5 ~ 500 Hz, Random 10Oct./min, 1Hr/axis	IEC 60068-2-6 IEC 60068-2-64
		2.0Grms @ 5 ~ 500 Hz, Sine 1Hr/axis	1.0Grms @ 5 ~ 500Hz, Sine 1Hr/axis	
	Operating Temperature	CF/SSD/mSATA, 0.7m/s air flow: -25 ~ 60° C		HDD: 0 ~ 40° C
	Storage Temperature	-40 ~ 85° C		
	Humidity	20 ~ 95% @ 40° C (non-condensing)		
Mechanical Features	Shock	20 G half sine, 11 ms		HDD: 20 G half sine, 11ms
	Dimension (W x H x D)	253 x 86.6 x 240 mm		
Certifications	Install	Desktop/Wall-mounting		
	Weight	4kg		
Certifications	EMC	CE/FCC Class A, CCC, BSMI		
	Safety	UL,CCC,BSMI		

## WebAccess+IVS Function Description

Function	Specification	Description
Monitoring	Status display	<ul style="list-style-type: none"> <li>Displays status and lists events of system login/logout, lost video, cameras status, web and remote connection, storage space, backup, sensors, and DO status</li> </ul>
	e-Map	<ul style="list-style-type: none"> <li>e-map layout shows the locations of video cameras, sensors and alarm devices, allowing you to control them and link actions to the surveillance system simultaneously; also provides a free tool for e-map editing</li> </ul>
	Event log displaying	<ul style="list-style-type: none"> <li>Real time display for event listings and automatic refresh of video events in ViewLog</li> </ul>
	Screen Split	<ul style="list-style-type: none"> <li>Full screen, 1, 4, 9, 10, 13, 16 Sequencer, (Able to change time interval)</li> </ul>
	Camera layout	<ul style="list-style-type: none"> <li>Assign name and adjustable font to each camera</li> </ul>
	Quality adjustment	<ul style="list-style-type: none"> <li>Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback.</li> </ul>
Recording	Resolutions	<ul style="list-style-type: none"> <li>Selectable recording resolutions (Depends on the capture card and IP camera selected)</li> </ul>
	Compression format	<ul style="list-style-type: none"> <li>H.264</li> </ul>
	Recording modes	<ul style="list-style-type: none"> <li>Cyclic Recording, Non-Cyclic recording, Event Triggered Recording, and Scheduled Recording</li> </ul>
	Recording Quality	<ul style="list-style-type: none"> <li>Adjustable recording quality</li> </ul>
	Recording Frame	<ul style="list-style-type: none"> <li>Adjustable recording frames of each camera and event</li> </ul>
	Pre & Post Alarm Recording	<ul style="list-style-type: none"> <li>Adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds)</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>Can show up to 4 cameras' playback images simultaneously</li> </ul>
	Search Mode	<ul style="list-style-type: none"> <li>Allows image searching by date, time, camera, and event.</li> <li>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>Able to search archives for incidents. Smart search list</li> </ul>
	Image Transfer	<ul style="list-style-type: none"> <li>Able to save image as BMP, JPG and AVI format.</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>Stores many bookmarks to facilitate searching.</li> </ul>
Data Storage	Recording Time	<ul style="list-style-type: none"> <li>Recording length varies depending on recording quality, resolution, mode and activity</li> <li>Auto continuous recording-- oldest recorded data will automatically be overwritten when hard drive is full</li> </ul>
	Backup	<ul style="list-style-type: none"> <li>Local: HDD/CD-RW/DVD-RW selectable/External USB HDD/CD-RW/DVD-RW</li> <li>Backup mode: Auto (schedulable) and Manual to backup video file</li> </ul>
	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, multiple event action plan. Able to define multiple actions 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 sounds, video group play and specific program execute etc.</li> </ul>
	E-mail and Phone notification	<ul style="list-style-type: none"> <li>E-mail notification with attached recording file or snapshot image of any event triggered</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 alarm setup with PTZ preset location.</li> </ul>
	Sensor and DO	<ul style="list-style-type: none"> <li>Adjustable sensor, DO layout, schedulable</li> </ul>
Network Control	IE Remote Control	<ul style="list-style-type: none"> <li>View live video, event list, PTZ control, and do remote recording, remote playback, remote setting, e-map function and remote snapshot through IE browser</li> <li>Supports 1, 4, 9, 10, 13, 16 screen split</li> </ul>
Operation	User Authority	<ul style="list-style-type: none"> <li>Multi-level password protection and unlimited user accounts for logins and passwords.</li> </ul>
	Authority setting	<ul style="list-style-type: none"> <li>Allows authority settings of each user to each camera (local and remote monitor, playback, PTZ control, DO and e-map control, network connecting user numbers, with time limits, print and save function, control, etc.)</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>Supports 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, Simplified Chinese</li> </ul>
	Others	<ul style="list-style-type: none"> <li>Windows lockup</li> <li>Auto DVR login</li> <li>Auto reboot</li> </ul>

## Plus Package Benefits

**WebAccess+IVS SDK**  
available for 3<sup>rd</sup> party CMS or  
AP software integration



**WebAccess+IVS**  
Intelligent Video Analytics (IVA)



Object Counting



People Counting



Camera Tamper



Optical Self Diagnostic



Motion Detection



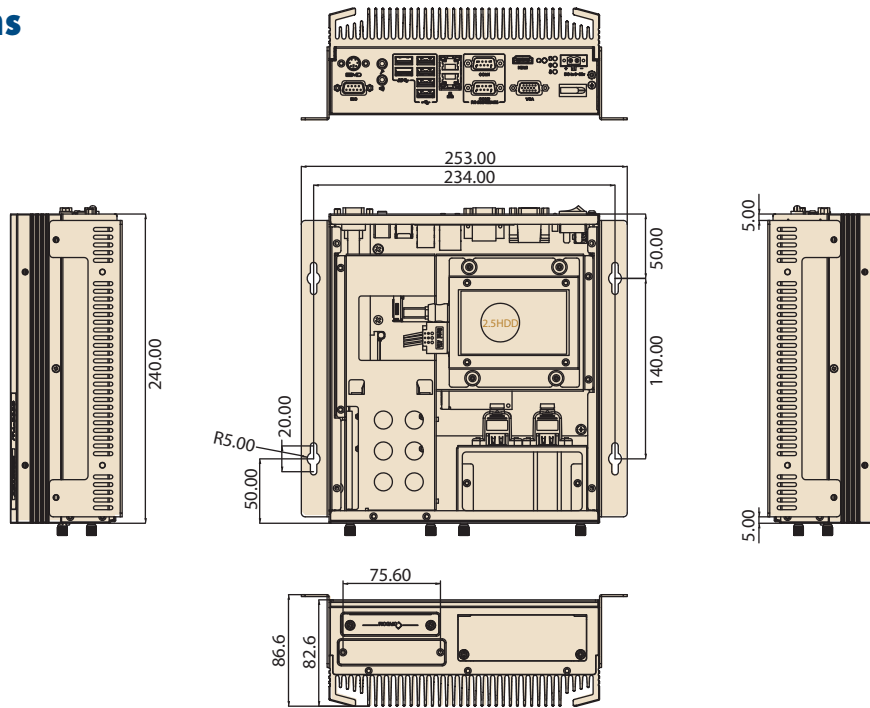
Forbidden Zone



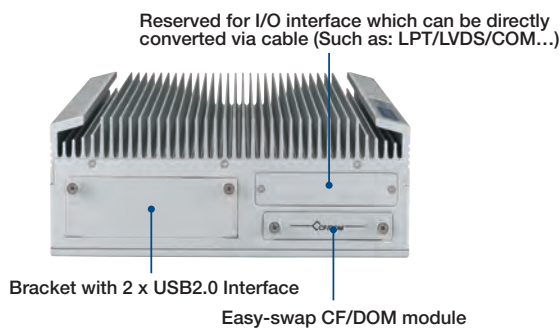
Demographic

## Dimensions

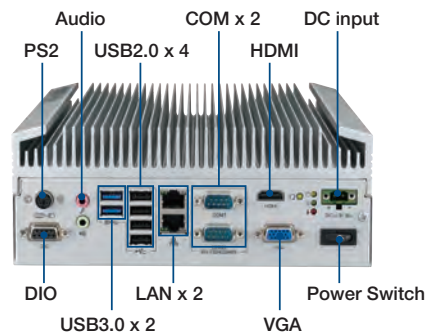
Unit: mm



## I/O Front View



## I/O Rear View



## Ordering Information

Part Number	Description
ITA-3630VS-00A1E	ITA-3630/Win7E/i5/32G_mSATA/4G_DDR/IVA

## Packing List

Part No.	Description
-	1 x ITA-3630
2062363000	1 x Driver CD
200K363000	1 x Startup manual
1960059401N001	2 x Supporting-angels
1652002205	1 x 2-pin Terminal Block
1757003659	ADAPTER 100-240V 65W 19V 3.42A

## Optional Accessories

Part No.	Description
1700019592	Parallel cable/D-SUB 25P(F)/IDE#2 26P-2.0 15cm
1700020692-01	LVDS cable/D-SUB 26P(F)/2*20P-1.25 15cm
1700001947	Power Cord 2P USA 7A 125V 1.8M
1700001948	Power Cord 2P Europe 2.5A 250V 1.8M
1700001949	Power Cord 2P UK 2.5A/3A 250V 1.8M