

ITA-3630VS

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



Features

- 3rd Generation Intel® Core™ i5 BGA Type processor
- Intel® HM76 PCH
- Wide operating temperature range (-25 ~ 60 °C)
- 3 x independent displays
- Supports 2 x 2.5" HDD or 1 x 2.5" HDD + 1 x easy swap CF/DOM module
- Built-in fixed bracket with 2 x USB 2.0 for dongle
- 9 ~ 36 V DC power input range

WebAccess/IVS



Specifications

System Chipset	CPU	Intel® i7-3555LE processor		
	Maximum Speed	2.7 GHz		
	L3 Cache	4 MB		
	Chipset	Intel® HM76		
	BIOS	AMI® SPI 64 Mb		
Memory	Technology	DDR3 1333/1600, non-ECC		
	Onboard	4 GB		
	Socket	1 x 204-pin SODIMM (up to 8 GB per DIMM) Note: The SODIMM slot and HDD tray have mechanism interferences, only 1 x HDD or 1 x CF can be integrated for memory expansion.		
	Maximum Capacity	12 GB		
Display	Chipset	Intel® Integrated Graphics HD 4000, supports DirectX 11		
	VGA	1 x DB15, up to 2048 x 1536 maximum resolution		
	HDMI	1 x HDMI, supports HDMI 1.4 standard, up to 1920 x 1200 maximum resolution @ 60Hz		
	LVDS	Built-in interface, supports 48-bit dual channel Convert to real I/O via cable (front panel, optional)		
	eDP	Box header onboard		
	Display Options	Dual: VGA + HDMI Triple: VGA + HDMI + eDP		
Storage	HDD	2 x 2.5" HDD or 2.5" HDD+CF module		
	SSD	1 x internal mSATA (32GB)		
IP Camera Support	Recording Resolutions	Up to 3 megapixels		
	Video Encoding	H.264		
	Maximum Frame Rate	30 fps per channel		
	Camera Inputs	Up to 8 channels of (D1/240 fps) or 4 channels of full HD (1080p/120 fps) IP cameras		
I/O	USB	2 x USB 3.0 and 4 x USB 2.0		
	Serial Port	2 x DB9, RS232/422/485 with automatic flow control		
	DI/O	1 x DB9, 8 bit		
	Audio	2 (1 x line out and 1 x mic in)		
	PS2	1 x PS2		
	LPT	1 x DB26 (front panel, optional)		
	Network	2 x 10/100/1000 Mbps LAN Ports		
Expansion Slot	Mini PCIe	1 x Internal Mini PCIe (full size)		
LEDs and Control Buttons	LED	1 x Power, 1 x Storage, 1 x Fault LEDs		
	Button	1 x Power on/off switch 1 x Reset button		
Power	Input Voltage	9 ~ 36 V power input range		
	Interface	2-pin terminal block		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec/min		
Environment	Vibration	CF/SSD: 2 Grms @ 5 ~ 500 Hz, random, 1 oct/min, 1 hr/axis	HDD: 1 Grms @ 5 ~ 500 Hz, random, 1 oct/min, 1 hr/axis	IEC 60068-2-6 IEC 60068-2-64
	Operating Temperature	CF/SSD/mSATA, 0.7m/s air flow: -25 ~ 60 °C		IEC 60068-2-1/
	Storage Temperature	-40 ~ 85 °C		IEC 60068-2-2/
	Humidity	20 ~ 95% @ 40 °C (non-condensing)		IEC 60068-2-78
	Shock	20 G half sine, 11 ms	20 G half sine, 11 ms	IEC 60068-2-27
Mechanical Features	Dimensions (W x H x D)	253 x 86.6 x 240 mm		
	Installation	Desktop/wall mount		
	Weight	4 kg		
Certifications	EMC	CE/FCC Class A, CCC, BSMI		
	Safety	UL, CCC, BSMI		

WebAccess+IVS Functions

Function	Specification	Description
Monitoring	Status Display	<ul style="list-style-type: none"> Displays status and lists system login/logout events, video losses, cameras status, web/remote connections, storage space, backups, sensors, and DO status
	e-Map	<ul style="list-style-type: none"> The e-map layout shows the locations of video cameras, sensors, and alarm devices, enabling device monitoring and action linking to the surveillance system; also provides a tool for e-map editing
	Event Log Display	<ul style="list-style-type: none"> Displays events in real time and automatically refreshes video events in ViewLog
	Spilt Screen	<ul style="list-style-type: none"> Full screen, 1, 4, 9, 10, 13, 16 sequencer (with adjustable time intervals)
	Camera Layout	<ul style="list-style-type: none"> Every camera can be assigned a name and adjustable font
	Quality Adjustment	<ul style="list-style-type: none"> Control hue, contrast, brightness, and saturation in preview, record, and playback
Recording	Resolutions	<ul style="list-style-type: none"> Specify recording resolution (according to the capture card and IP camera selected)
	Compression Format	<ul style="list-style-type: none"> H.264
	Recording Modes	<ul style="list-style-type: none"> Cyclic Recording, Non-Cyclic Recording, Event-Triggered Recording, and Scheduled Recording modes supports
	Recording Quality	<ul style="list-style-type: none"> Adjust recording quality
	Recording Frame	<ul style="list-style-type: none"> Recording frame rate can be configured for specific cameras and events
	Pre/Post Alarm Recording	<ul style="list-style-type: none"> Specify the pre/post alarm recording time (default pre-alarm 10 seconds, post alarm 100 seconds)
	Recording File Length	<ul style="list-style-type: none"> Adjustable file length for search recordings function
Search and Playback	Playback Speed	<ul style="list-style-type: none"> Single frame, 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, fast forward and rewind
	Playback Mode	<ul style="list-style-type: none"> Supports up to 4 camera playback outputs
	Search Mode	<ul style="list-style-type: none"> Allows searching by date, time, camera, or event Calendar and time segment for searching specific dates and times Selectable event time, event type, and camera IDs for event search
	Smart Search	<ul style="list-style-type: none"> Smart search list, supports archive searching
	Image Transfer	<ul style="list-style-type: none"> Images can be saved in BMP, JPG, and AVI format Videos can be saved with a specified date and time or according to the system time
	Bookmark	<ul style="list-style-type: none"> Numerous bookmarks can be stored to facilitate searching
Data Storage	Recording Time	<ul style="list-style-type: none"> Variable recording length, depending on the recording quality, resolution, mode, and activity Supports automatic continuous recording, where the oldest recorded data is automatically overwritten when the hard drive is full
	Backup	<ul style="list-style-type: none"> Local: HDD/CD-RW/DVD-RW selectable/external USB HDD/CD-RW/DVD-RW Auto (schedulable) and Manual backup modes supported
	Storage Path	<ul style="list-style-type: none"> Specify the storage path and reserve size for each camera Configure storage paths to automatically overwrite the oldest file records
Alarm Notification	Event Action Plan	<ul style="list-style-type: none"> Flexible multiple action event response plan, multiple actions can be specified in response to specific events Event trigger options: motion detection, sensors, video signal interference, login failure, system abnormality, and backup disk full Event action options: DO output, PTZ control, email/SMS/phone notifications, video file records, snapshots, warning alerts, video group play, and program execution
	Email/Phone Notification	<ul style="list-style-type: none"> Email notification with attached recording file or snapshot image for any event triggered Email and phone notification of multiple events (with voice modem option)
	PTZ Activation	<ul style="list-style-type: none"> Supports alarm configuration with PTZ preset location
	Sensor and DO	<ul style="list-style-type: none"> Adjustable sensor and DO layout and configuration
Network Control	IE Remote Control	<ul style="list-style-type: none"> Enables live video streaming, event log access, PTZ control, remote recording, remote playback, remote configuration, e-map access, and remote snapshotting through IE browser Supports 1, 4, 9, 10, 13, 16 screen split
Operation	User Authority	<ul style="list-style-type: none"> Multi-level password protection and unlimited user accounts and passwords
	Authority Settings	<ul style="list-style-type: none"> Enables configuration of user permissions for each camera (local and remote monitoring, playback, PTZ control, DO and e-map control, network connections, time-limited access, print and save function control, etc.)
	PTZ Control	<ul style="list-style-type: none"> Embedded PTZ control panel supports pan, tilt, zoom, and preset functions Supports standard PTZ protocols
	Dynamic IP Support	<ul style="list-style-type: none"> Built-in web server, supports dynamic IP
	Language	<ul style="list-style-type: none"> English, Traditional Chinese, Simplified Chinese
	Others	<ul style="list-style-type: none"> Windows lockup Auto DVR login Auto reboot

Plus Package Benefits

WebAccess+IVS SDK
available for third-party CMS
or AP software integration



WebAccess/IVS
Intelligent Video Analytics (IVA)



Object Counting



People Counting



Anti-Tamper



Optical
Self-Diagnostics



Motion Detection



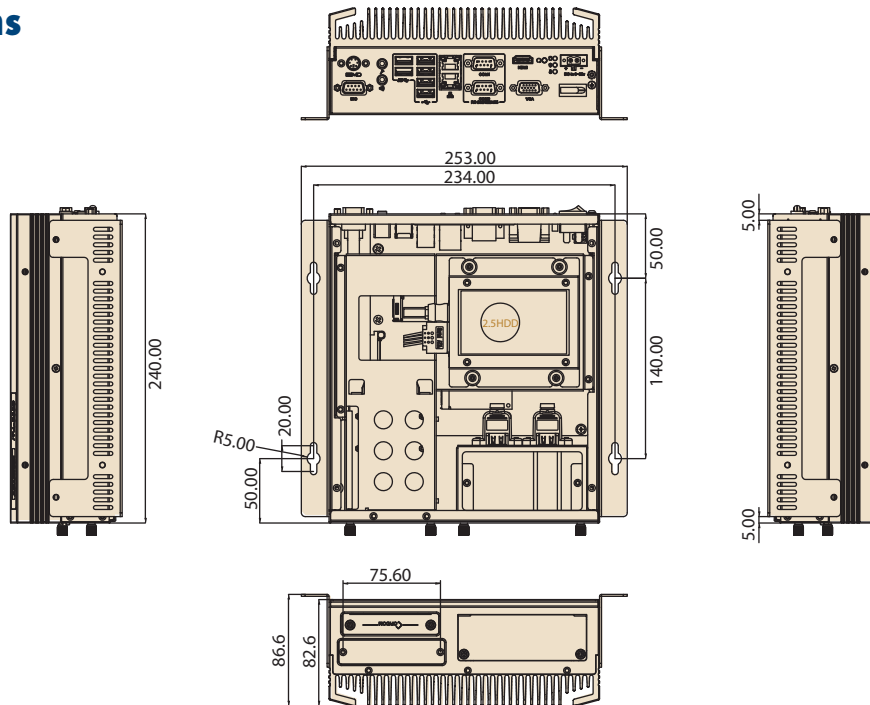
Forbidden Zone



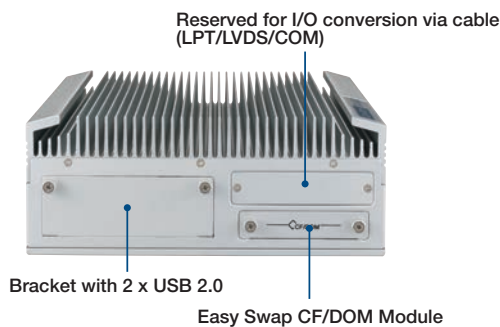
Demographic

Dimensions

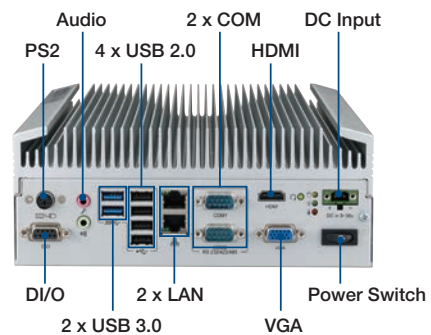
Unit: mm



Front View



Rear View



Ordering Information

Part Number	Description
ITA-3630VS-01A1E	ITA-3630, Win7E, i5, 32G mSATA, 4G DDR, IVA

Optional Accessories

Part Number	Description
1700019592	Parallel cable, D-SUB 25P(F), IDE#2 26P-2.0, 15 cm
1700020692-01	LVDS cable, D-SUB 26P(F), 2*20P-1.25, 15 cm
1700001947	Power cord (USA), 2 pin, 7A, 125V, 1.8 M
1700001948	Power cord 2P Europe 2.5A 250V 1.8M
1700001949	Power cord 2P UK 2.5A/3A 250V 1.8M

Packing List

Part Number	Description
-	1 x ITA-3630VS
2062363000	1 x Driver CD
200K363000	1 x Startup manual
1960059401N001	2 x Supporting angles
1652002205	1 x 2-pin terminal block
96PSA-A65W19P2-2	Power Adapter