

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 | | |
| Memory | BIOS | AMI® SPI 64 Mb | | |
| | 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. | | |
| Display | Maximum Capacity | 12 GB | | |
| | 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 | | |
| Storage | 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 | | |
| | HDD | 2 x 2.5" HDD or 2.5" HDD+CF module | | |
| IP Camera Support | SSD | 1 x internal mSATA (32GB) | | |
| | Recording Resolutions | Up to 3 megapixels | | |
| | Video Encoding | H.264 | | |
| | Maximum Frame Rate | 30 fps per channel | | |
| I/O | Camera Inputs | Up to 8 channels of (D1/240 fps) or 4 channels of full HD (1080p/120 fps) IP cameras | | |
| | 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 | | |
| Expansion Slot | 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 | | |
| LEDs and Control Buttons | Mini PCIe | 1 x Internal Mini PCIe (full size) | | |
| | 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 | HDD: 0 ~ 40 °C | IEC 60068-2-1/ IEC 60068-2-2/ |
| | Storage Temperature | -40 ~ 85 °C | | IEC 60068-2-78 |
| | 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



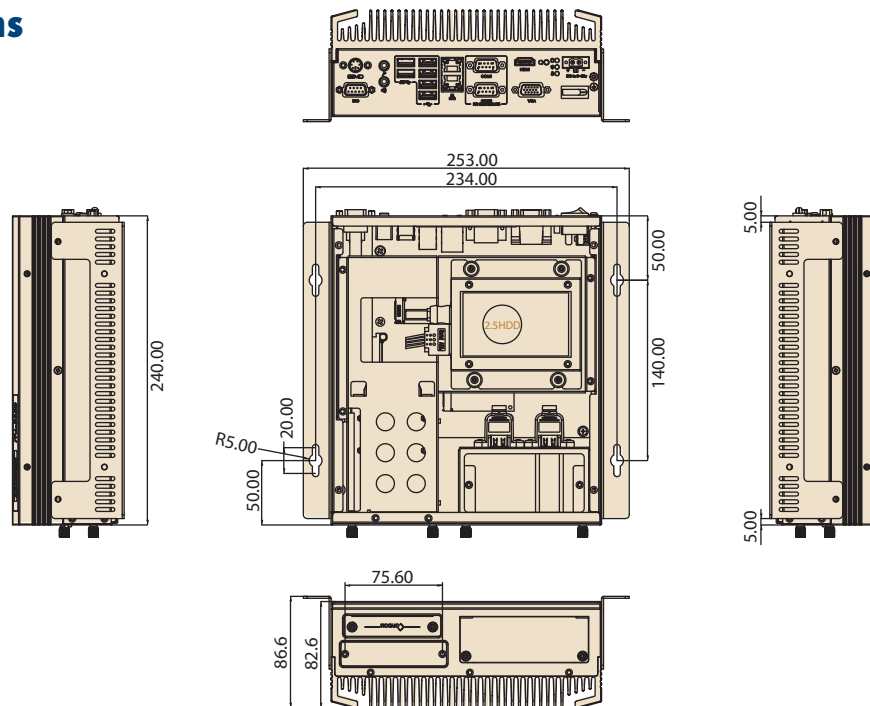
Forbidden Zone



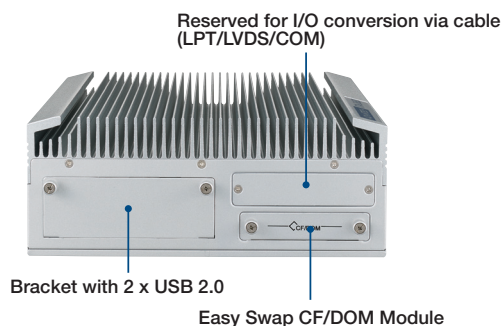
Demographic

Dimensions

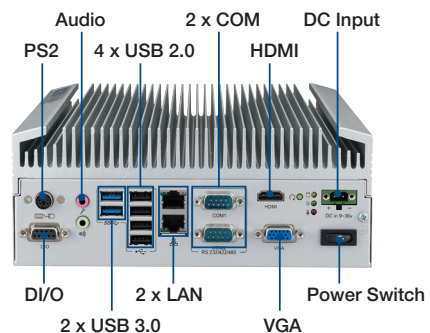
Unit: mm



Front View



Rear View



Ordering Information

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

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 |

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 |