

intuVision® VA - Video Analytics for every Application

intuVision VA analyzes video in real-time, reliably detects objects and activities, sends notifications upon occurrence of user specified events.

Powerful video analytics for every application

intuVision's high performance video analytics are available in modules to meet every use-case requirement with the most comprehensive set of events, in convenient packages. Please refer to related module datasheet for details.

Parking – Retail – Security – Traffic – Face - Text

intuVision VA's ease of integration with VMS's to ingest video and send alarm triggers ensures a robust solution for every deployment.

GPU Accelerated Analytics

intuVision VA utilizes GPU's for maximum efficiency and highest performance. GPU enabled analytics offer:

- Lower hardware cost per video stream
- Faster than real-time analysis for archived video

Learning Scenes and Objects, Searching by Color

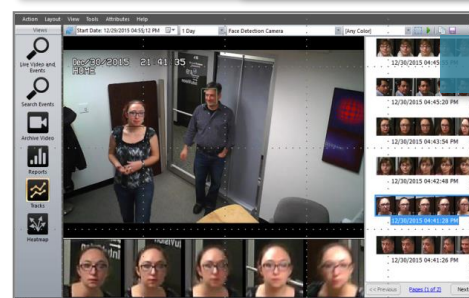
intuVision VA's patented algorithms learn scenes and filters noise to perform reliably in most challenging environments. With robust user trainable object classification, event rules can be applied only to the objects of interest. Objects can be searched by type and color in selected cameras and times.

Heatmaps and Reports

intuVision VA collects object and event data to generate statistics reports with graphs ready to export as .pdf or CSV files. intuVision Motion and Dwell heatmaps help visualize people and vehicle traffic and wait patterns.

intuVision VA Counters and Random Selector

intuVision VA Traffic and Retail modules include vehicle and people counters operate in real-time. Report formats listed above provide efficient visualization of the counts. The random selector option facilitates unbiased sampling of vehicles or people at entry gates.



intuVision VA Feature Summary

Unlimited event rules per license: Largest set of event rules for Security, Retail, Traffic and Parking. Unlimited number of events per camera without additional processing overhead, event acknowledgement options.

Compound Events: Templates to combine events from multiple cameras and 3rd party triggers.

Event Queries, Reports, Heatmaps: based on time period, camera, and event rule, pie-chart, line, bar graphs, comparisons over multiple time periods. Motion and Dwell Heatmaps for people and vehicle traffic.

Event Schedules: Arm/Disarm, day/night schedules set on calendar and weekly time table.

Standard Automatic Detections: Camera Tampering, Smoke and Fire, Day/Night, Camera Video Loss, Video Quality Loss, Low Frame Rate, Ambient Light Change.

Event Linking and Triggers: Generic email and HTTP triggers. VMS specific action and PTZ triggers.

Camera Event Setting Templates: Configuration templates to set-up multiple cameras at once.

Hot Swappable Settings : Real-time tuning of all camera detection and tracking settings and analytics rules while the system is running.

Monitoring View Options: Support for multiple grid options, select camera details and floor plans.

Marked-up RSTP Stream : Option to display video analytics detection mark-ups as RTSP video output.

Video / Alarm Management Systems: exacqVision, Milestone, Hikvision HikCentral, Axis Camera Station, Cisco VSM, Immix Cloud-SureView.

Architecture: Scalable, distributed, multiple clients to remotely administer/monitor cameras, events, alarms.

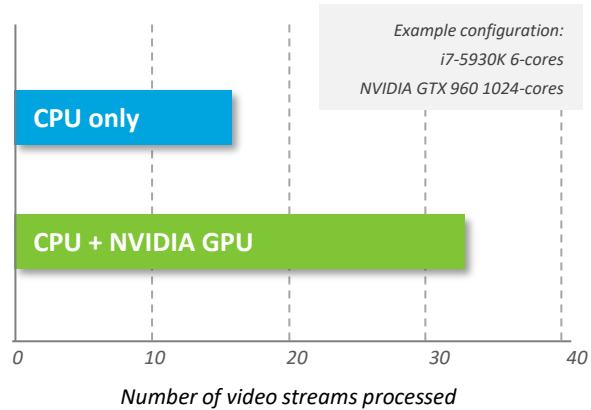
Failover: Option to configure a backup servers to take over in case of processing server failure.

Back-up/Restore: Database back-up option to restore system, cameras, event settings, and triggers.

Operating Systems : Windows, Windows Server, Linux (check for versions and distributions).

User Management: Support for user groups with different privileges, LDAP support for enterprise use.

GPU Accelerated Processing: Full support for NVIDIA compatible graphics cards for optimally accelerated video analytics doubling the performance capacity.



Report Formats: Lists, graphs, pdf's and CSV file output ready for 3rd party dashboards.

intuVision API: Fully functional API to access event alarm, metadata through standard calls.

Archived Video Post-Processing: 30x Faster than real-time, automatic sequential processing of video files.

Supported Video: Sensors: Color, Black & White, Thermal, Infrared, Wide Angle

Resolutions: CIF(320x240) to HD (1280x720)

Min Frame Rate: 8 fps

Formats: H.264, MPEG-4, MPEG-2, Motion JPEG, PTZ Controls for compatible cameras; analytics processing pauses while camera in motion

Video File Input Formats : ASF, AVI, MP4, MPG, WMV

Network Protocols: DNS, HTTP, ONVIF, RTSP, RTP, SMTP, TCP/IP, UDP, ZeroConf

OEM Options: White labeling of all intuVision VA applications and full featured C-based SDK available in Windows and Linux.

