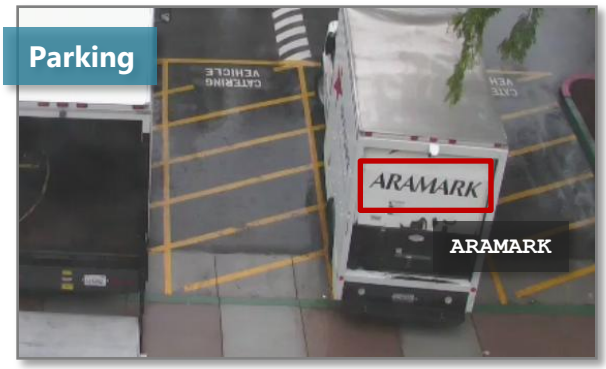
intuVision® VA Text

intuVision VA Text automatically detects and recognizes text in video scenes, then converts words, letters, and numbers into metadata tags. This makes it possible to search the video for the numbers, words and codes that might be seen on any object.

intuVision VA Text can be used stand-alone to detect and log text in the scene in either real-time or faster-than-real-time from recorded video. Text detection can be configured to look for only letters, only numbers, or all alphanumeric and special characters.

The baseline functionality of intuVision VA Text encompasses detection and recognizing text within a user marked area. Additionally, text detection can be added to other intuVision VA modules, and used together with any Parking, Retail, Security, Traffic or Manufacturing event. By adding text detection to other module events, enables tagging video with the markings on trucks or boats around protected perimeters and in the loading zones in Security, Traffic, Parking or Retail applications. These text tags become part of the event metadata facilitating searches for specific vehicles. In manufacturing applications, detecting and storing batch numbers on pallets or item codes on conveyor belts, help automate monitoring production processes.









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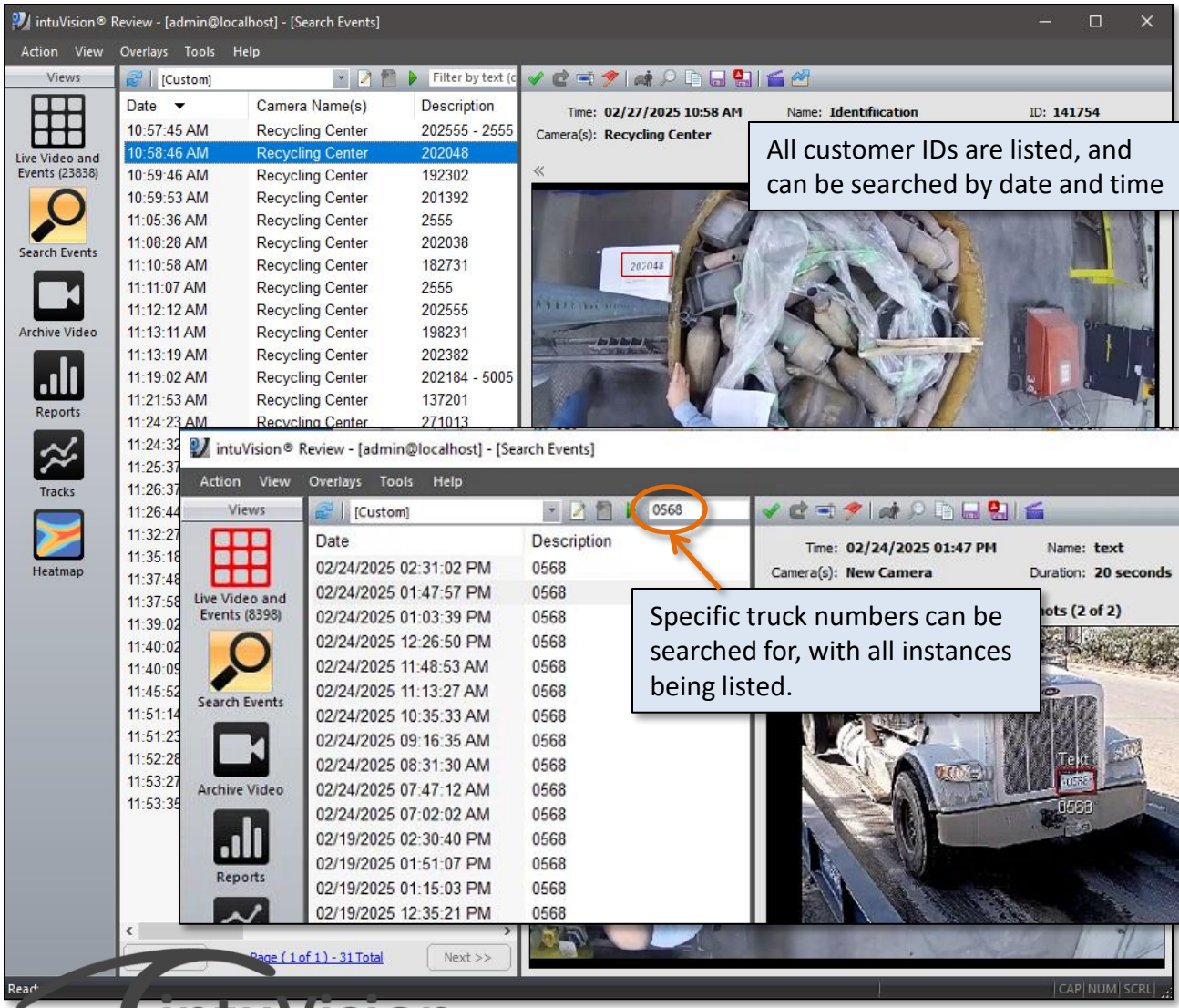
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Event Review with intuVision VA Text Metadata

Once intuVision VA detects the text regions and the text is recognized in a video frame, a text tag is created as part of that frame's metadata and logged to facilitate the searches using the recognized text.

If the text detection is used in combination with another intuVision VA event, the recognized text is added to the event descriptor to facilitate the video searches using such as the text on a delivery truck, the item codes of the boxes on a production line or the tail numbers of the boats in a canal.



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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.

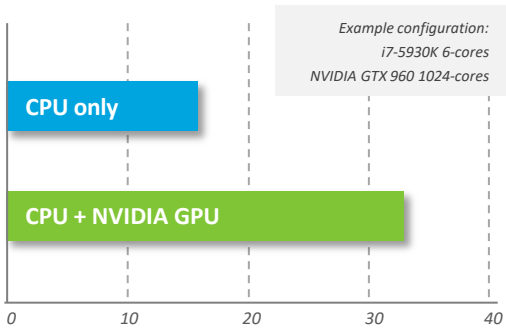
Failover: Option to configure a backup servers to take over in case of processing server failure.

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 and to configure the analytics and 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.

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