



PRODUCT DESCRIPTION

VEZHA® Smart VA plugin harnesses the power of advanced video analytics to redefine security and surveillance capabilities across various sectors. Utilizing cutting-edge artificial intelligence, Smart VA can effortlessly identify object types and generate event notifications tailored to custom-defined rules and parameters. Whether tracking a person's movement across multiple cameras or analyzing vehicle behaviors, the plugin's precision remains uncompromised under diverse environmental conditions. This robust tool enhances operational efficiency by enabling real-time data sharing and improving response strategies for incidents and investigations. By integrating Smart VA into existing security infrastructures, organizations can not only ensure heightened security but also gain valuable insights into spatial dynamics, ultimately fostering a safer and more controlled environment.

VEZHA SMART VA PLUGIN FEATURES

- Customizable Detection Rules: Define rules for various object detection parameters to meet specific requirements.
- Smart Search Capability: Perform advanced searches based on person and vehicle attributes, time intervals, and multiple cameras.
- Graphical Filters: Refine search areas using graphical filters for zones, lines, and trajectories, applicable to a single selected camera.
- Preset Filters: Quickly search for people and vehicles using custom filter presets based on specified filters and attributes.
- Heatmap Generation: Visualize and analyze activity patterns over time using the Heatmap feature across plans and analytics data.

THE MINIMUM SIZE (WXH) UPON CAMERA RESOLUTION 2MPX SUPPORTED FOR:

- Person size for detection minimum: 25×40 px, recommended: 50×125 px
- Car size for detection minimum: 25×25 px, recommended: 150×100 px
- Bicycle size for detection minimum: 40×70 px, recommended: 90×100 px
- Motorcycle size for detection minimum: 25×30 px, recommended: 70×90 px
- Bus size for detection minimum: 90×75 px, recommended: 200×150 px
- Truck size for detection minimum: 80×70 px, recommended: 180×150 px
- Animal size for detection minimum: 30×40 px, recommended: 120×140 px
- Item size for detection minimum: 30×40 px, recommended: 100×150 px



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GENERAL INFORMATION

SUPPORTED OPERATING SYSTEMS	LINUX UBUNTU 20.04 / FROM WINDOWS 10 / FROM WINDOWS SERVER 2019
SUPPORTED PLATFORM	X64
SUPPORTED HARDWARE ACCELERATION	INTEL OPENVINO / NVIDIA TENSORRT
SUPPORTED DATABASE	SUPPORTED DATABASE MYSQL / POSTGRESQL / MS SQL / ORACLE

INTERFACE

CAMERA STREAM PROTOCOL	RTSP / HTTP / HTTPS / ONVIF
RECORDED VIDEO FORMATS	MKV; MP4; ASF; AVI; MJPEG
SUPPORTED CODECS	MPEG-4; MJPEG; H.264; H.265
OUTPUT FORMATS	JSON / XML / CSV / PDF

MAIN FUNCTIONALITY

CENTRALIZED MANAGEMENT	✓
REAL-TIME ALARMS	✓
INTEGRATION WITH MICROSOFT POWER BI, GOOGLE DATA STUDIO, AND OTHERS	✓
NOTIFICATION SETTINGS: INTERNAL ALARM, BY TELEGRAM OR OTHER EXTERNAL SYSTEMS	✓
REST API	✓
INTEGRATED BUSINESS LOGIC BUILDER	✓
SUPPORT FOR VARIOUS INTERFACE LANGUAGES	✓

VMS INTEGRATION

EVENT BASED INTEGRATION	LUXRIOT EVO, MILESTONE XPROTECT, NX META, AND OTHER
PLUGINS INTEGRATION	LUXRIOT EVO, MILESTONE XPROTECT, NX META

SECURITY FEATURES

ACTIVE DIRECTORY / LDAP	✓
GROUPS AND ROLES SUPPORT	✓
ENCRYPTION OF ALL PACKAGES	✓



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