

VEZHA Smart VA

Product Specification



Product Description

Our most advanced Smart Video Analytics technology uses neural networks to power video, delivering improved accuracy in both perimeter protection, and in crowded, indoor environments. The system determines the type of object, and issues alert according to the specified rule.

VEZHA Smart VA Features

- Create your own rules for any situation (presence or absence) of the object by period intervals and the selected area.
- Tracking and classification for over 50 objects. Previous analytics classified objects only when they were moving, now objects are additionally classified if they remain stationary
- Expanded Object Classification:
 - People
 - Cars
 - Animals
 - Trucks
 - Buses
 - Motorcycles
 - Bicycles
- Person size for detection minimum: 20×40 px (W×H), recommended: 50×125 px (W×H) (resolution camera 2MPx)
- Car size for detection minimum: 20×15 px (W×H), recommended: 150×100 px (W×H) (resolution camera 2MPx)



General information

Supported Operating Systems	Linux / Windows
Supported Platform	x86_64 / Jetson
Supported Hardware Acceleration	Intel OpenVINO / NVIDIA TensorRT
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
Recommended Frame Rate	10+ fps for 100 km/h
Output data	Number plate OCR result Number plate type Make & Model Vehicle color ADR Vehicle category Country / State Timestamp
Output formats	JSON / XML / CSV

Main functionality

Centralized Management	+
Finding and navigating the vehicle route	+
Real-time alarms	+
Integration with Microsoft Power BI, Google Data Studio, and others	+
Unlimited lists support	+
Notification settings: internal alarm, by Email / SMS / HTTP / Telegram	+
REST API	+
Database import (CSV) and export support (EXCEL / PDF / CSV / JSON)	+
Integrated business logic builder	+
Support for various interface languages	+

VMS Integration

Event based integration	Luxriot Evo, Milestone XProtect, Nx Meta, Genetec, Pelco and other
Plugins integration	Luxriot Evo, Milestone XProtect, Nx Meta, Pelco

Security Features

Active Directory / LDAP	+
Groups and roles support	+
Encryption of all packages	+

