VEZHA Face Recognition

Product Specification

Product Description

Human identification has never been more important to businesses and organizations. The benefits of leveraging digital identity using IncoreSoft Face Recognition Analytics have resulted in enhanced security, productivity, effective communication, and improved customer experience. Visual intelligence provided by our Face Recognition System addresses security and surveillance, people management, product management, personalized services, process automation and predictive analytics in almost all sectors.

VEZHA Face Recognition Features

- Identification accuracy goes up to 99.35%
- Unlimited quantity of the lists (white, black, VIP, etc.) for individuals without any limitation
- High-quality face recognition even with glasses, caps, mask, beard, and moderate facial rotation
- Identification takes up to 0.1 seconds with a search base of 1 million people
- Determining gender and age
- Restrict access to notifications for a specific group of users
- Productivity up to 2000 fps in 1080p HD video
- Face size for detection: Faces from 10 pixels IOD
- Face size for recognition: Faces from 21 pixels IOD, 40 pixels recommended

(IOD) Interocular distance - the distance between the eyes, used in reference to the interpupillary distance (the distance between the two pupils)

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
Output formats	JSON / XML / CSV

Main Functionality

Centralized Management	+
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 / JSON)	+
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	+