



CORTROL CVA Face Recognition

Specification v1.0.0

Product Description

Human identification has never been more important to businesses and organizations. The benefits of leveraging digital identity using Ganz CORTROL CVA 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.

CVA 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 faces per second 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: Windows
- Supported Platform: x86 & 64
- 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



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Security Features

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