FACE SEARCH & RECOGNITION

www.aicuda.world

Vaidio's AI Face Search enables the rapid search of a person in a video footage based on an input image of the person's face. By having the search engine based on artificial intelligence and deep learning, each search query can yield results within only seconds, which helps locating a person almost immediately in real time.

Vaidio's AI Face Recognition continuously detects and recognizes faces from IP video surveillance cameras. The subject is detected regardless of motion or proximity to the camera. This Face Recognition solution relieves human operators from continuous monitoring with confidence. The Vaidio platform provides a comprehensive user interface to easily and swiftly access the collection of events registered by the system.
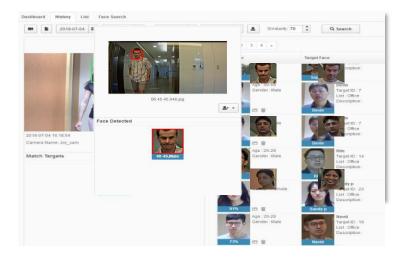
Livestream		Search/Event results
IP Cameras		**Aicuda Web & Mobile Interface**
	VAIDIO	
Playback, upload		Action (TCP/HTTP)
Video Source (NVR, File)		**Alarm, Alert, Access, Email, VMS**

VAIDIO™
BY AICUDA TECHNOLOGY

F E A T U R E S

- ☐ Search and identify people across multiple cameras in < 2 seconds to enable fast response time
- ☐ Search based on age and gender
- ☐ Detect automatically from IP cameras or user-uploaded videos/images
- ☐ Support age and gender detection
- ☐ Detect multiple faces in one photo/video
- ☐ Decode live streams into video frames and store the frames with faces as images in the system
- ☐ Compare an input face with the pre-configured face database
- ☐ Support multiple blacklists / whitelists
- ☐ Enable 1:1 and 1:N face matching
- ☐ Provide full image (including the face thumbnail)
- ☐ Select the time length of the playback clip (10, 20, 30, 60, 120 s)
- ☐ Assign a unique ID to each detected face and store the face as an image with timestamp in the system
- ☐ Alert and log when a pre-registered face is recognized
- ☐ Support alert when a face not in any list is detected
- ☐ Create a map/route of target face base on the event detected time and location

B E N E F I T S

- ☐ Save money by not needing preconfigured FR-enabled camera
- ☐ Utilize user-friendly interface for fast search results.
- ☐ Use existing NVR/VMS.
- ☐ Support nearly any existing ONVIF IP-based camera
- ☐ Work in conjunction with other functions
- ☐ Locate objects, people, vehicles, and animals in real-time
- ☐ Upload video file captured outside of system
- ☐ Reduce staff video monitoring time
- ☐ Finish forensic searches within seconds
- ☐ Share the FR software running on the platform to save license costs
- ☐ Improve safety, security, situational awareness
- ☐ Adapt to weather conditions
- ☐ Upgrade on the server side for ease of maintenance and software upgrade
- ☐ Learn once and apply to different face recognition engines
- ☐ Support MPEG2, MPEG4, & AVI for video uploads
- ☐ Support JPG, JPG2000, PNG, BMP, & TIFF for image uploads
- ☐ Implement GDPR face redaction upon request for privacy

About Aicuda Technology

The Aicuda Vaidio™ AI Vision Platform orchestrates multiple AI video analytics engines to provide higher accuracy and lower total costs across the industry's broadest array of video analytics. Vaidio solutions are deployed by government organizations, airport and maritime authorities, defense departments, schools and campuses, manufacturing and healthcare facilities and other critical infrastructure organizations across the globe to rapidly detect, track, identify, search, and view thousands of objects and receive real-time notifications of critical events. Aicuda's patented self-learning video analytics software seamlessly integrates with a large variety of 3rd party products. Aicuda sales and engineering teams are strategically located to provide services and support to customers around the world.

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