

# Vaidio® AI Vision Platform FACE RECOGNITION



## Increase safety, enhance security, and automate access with AI-enabled face recognition and search

### The Challenge

Facial recognition is an automation tool that enables a wide variety of benefits by eliminating the need for physical interaction. However, to deliver the safety, security, and convenience it promises, facial recognition must be fast, seamless, and accurate – and it should address privacy concerns up front.



### The Solution

Vaidio Face Recognition (Vaidio FR) uses advanced Vaidio AI to accurately recognize faces. Vaidio FR works with any IP camera for real-time monitoring and access control, and in forensic video search applications. Vaidio can identify, authenticate, and authorize people based on accurate facial recognition, and can match faces to pre-configured face databases within seconds. To protect privacy, Vaidio FR blurs faces by default, and makes unblur available only to authorized and audited personnel.

At the enterprise level, Vaidio FR can secure areas by allowing only permitted persons to enter and exit parking structures and buildings. Vaidio can integrate with access control systems to authorize – or bar – access to any facility, and even to specific rooms within a home or facility. Vaidio can alert with image, camera location and timestamp when unrecognized faces are detected.

Vaidio FR is one of 30 advanced AI video analytics functions supported by the Vaidio AI Vision Platform. For example, Vaidio FR can work with Vaidio PPE Detection to ensure adherence to face mask, safety glasses, helmet or uniform protocols. Vaidio FR can also work with a thermal camera to flag specific personnel for secondary temperature checks.



"Out of hundreds of solutions we've worked with, Vaidio is one of a handful that ranks highest in terms of platform maturity and driving real-world customer value."

- Jumbi Edulbehran, Global Business Development,  
AI-City, Nvidia



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IronYun's Vaidio AI Vision Platform is recognized by IDC as "a good decision for enterprises that have extensive video surveillance capabilities and want to upgrade to advanced analytics that incorporate the latest technology." IDC MarketScape, Video Surveillance Analytics, Nov 2021



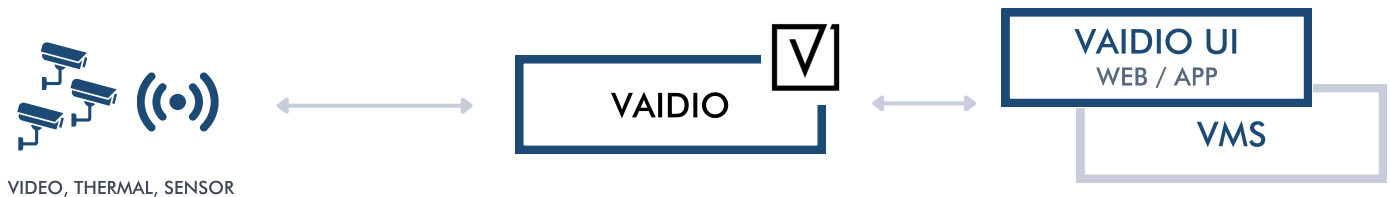
## Features

- Provides fast, accurate, AI-enabled face recognition and search
- Scales from 10s to 1,000s of cameras
- Supports multiple recognize/search options, including age and gender, multiple faces, face matching, and recognized/registered comparisons
- Alerts and logs when registered faces are recognized, and assigns a unique ID and timestamp to any unrecognized faces
- Seamlessly integrates with I/O controllers to automate face-recognition-based access control
- Privacy blurring built-in and enabled by default

## Benefits

- Improved safety, security, and convenience for enterprises and private residences
- Ability to locate people, objects, vehicles, and animals in real time
- Reduced reliance on security personnel to monitor video feeds
- Increased return on investment from existing camera and video infrastructure
- Additional operational efficiencies when other Vaidio video analytics are added

## Architecture



## About IronYun and Vaidio®

IronYun's SIA award-winning Vaidio Platform offers more than 30 advanced AI video analytics functions to bring intelligence and accuracy to existing camera and video infrastructures. Our mission: to build a safer, smarter world by helping our customers improve security, safety, health, and operational efficiency.



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