Paravision Search Lite
Lightweight, fully-integrated face recognition engine

Paravision Search Lite is a fully-integrated, Docker-based face recognition engine, capable of processing video or still imagery from a single computer or cloud instance, enabling simple integration and use of Paravision face recognition.

Search Lite combines Paravision's NIST FRVT-leading face recognition technology, IP video processing from the Paravision Streaming Container, and high-speed matching technology from Paravision Search into a unified Docker container and API, delivering high performance, high accuracy face recognition in an easy-to-deploy package.

Paravision Search Lite is designed for applications where Paravision's standard Docker products may be not be an optimal fit, including:

- Rapid technology assessment or proof-of-concept development where simplicity is key, scalability is not required, and flexibility for video or image inputs is useful.
- Single-computer deployments, as may be needed in Edge server applications or mobile workstation applications.
- Simple integration with Video Management Systems (VMS) where a unified face recognition API pipeline is preferred to integration of multiple modular Docker containers.

Key Features

- Single server compute footprint for small and medium-sized use cases.
- 1-second response time for a gallery of 1 million records.
- Integration capabilities with video management systems for real-time alerts.
- Combines functionality from Paravision's Streaming and Processor Dockers with basic search capabilities into a single container.

Supported Cloud Platforms and Computing Environments

Search Lite can be deployed using the following platforms and environments:

On-Premises / Private Cloud	Google Cloud Platform	Amazon Web Services	Microsoft Azure

Technical Specifications

Deployment method	Docker container, supporting on-premises or cloud-based (including GCP, AWS, Azure)
Supported operating system	Linux Windows
Supported template generation platform	Intel CPU (OpenVINO) NVIDIA GPU (TensorRT)
Client interface	REST API

System Architecture

Partner Application

REST API

Paravision Search Lite

Paravision Streaming Container
- Extract face images out of video streams

Paravision Processor Container
- Create face templates out of face images

Simplified Paravision Search
- Search and compare face templates

Docker (Linux) I (Intel CPU, NVIDIA GPU) I (PC, Server, Cloud)
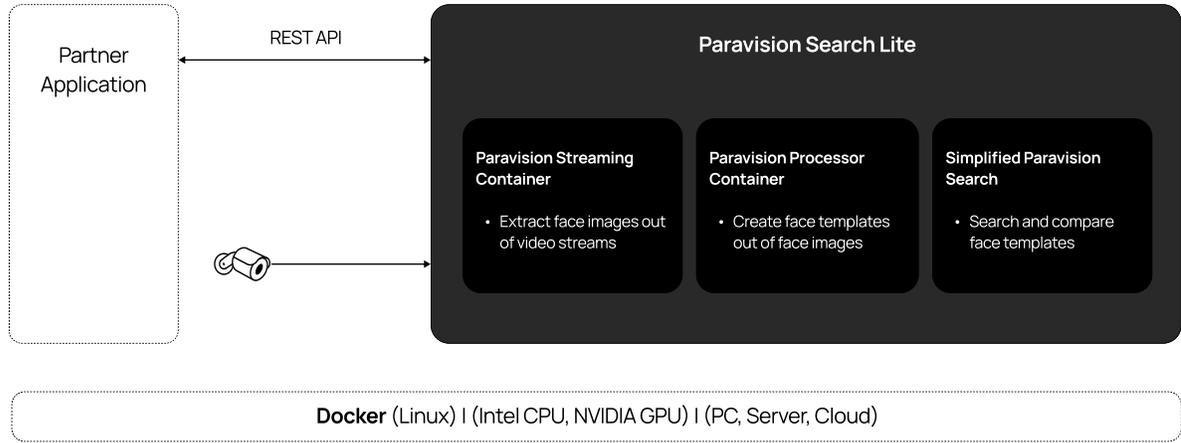
What product is right for you?

SDKs

World-class toolkits with high level of control and flexibility for partners with engineering resources

Dockers

High-performing, Cloud-ready capabilities with a lower engineering investment

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Paravision Search

Paravision's most holistic, enterprise-ready product with easy deployment and low engineering investment.

Focused toolkits with high level of control and flexibility

Feature-rich enterprise products with low engineering investment