

INTRODUCING UNIVSVCA

See Everything.
Identify Anyone.

That's UnivSVCA.

AI-powered video analytics with face recognition, body attribute detection, and real-time tracking. From a single 2MP camera.

99.97%

ACCURACY (KISA)

400M+

FACE DATABASE

<1 sec

1:N SEARCH



- Zero Data Collection — privacy-first, templates only
- Works with standard 2MP CCTV — no camera upgrades
- 1:N Search across 400M+ database in under 1 second

WHY UNIVSVCA

2MP Is All You Need

No expensive camera upgrades. Your standard CCTV works perfectly with our AI engine.

Zero Data Collection

Privacy-first architecture. Biometric templates only — no raw images stored. Full compliance ready.

Body Attribute Filter

Gender, hat, clothes color, backpack, glasses. Find anyone by physical description alone.

GIS Tracking

Real-time location tracking with companion analysis. Visualize movement paths on an interactive map.

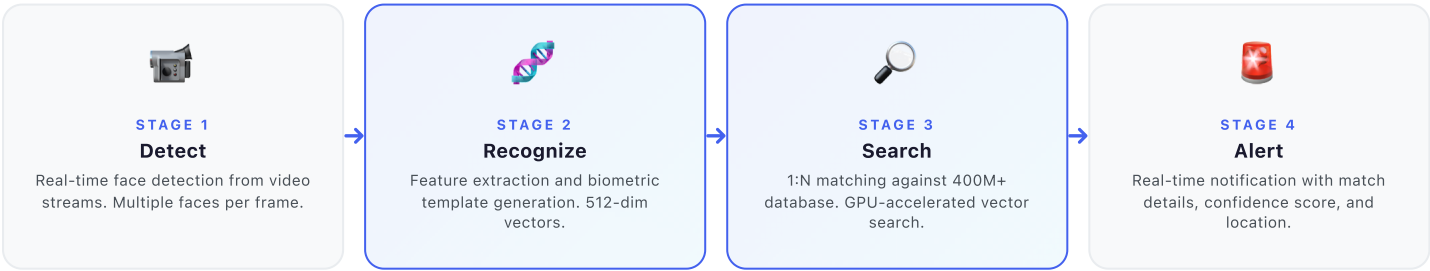
1:N Identification

Detect → Recognize → Search. From detection to identification in one seamless pipeline.

99.97% Accuracy

KISA-certified. Production-proven across millions of enrollments with zero false positives in field.

DETECTION PIPELINE



USE CASES

Government ID

Airport Security

Smart City

Border Control

Public Safety

Corporate Campus

Transportation Hub

Event Security

Critical Infrastructure

System Architecture

Enterprise-grade VCA infrastructure — on-premise or cloud

Server Requirements

GPU	NVIDIA T4 / A10 / A100 CUDA 11.8+
RAM	32GB+ (64GB recommended)
Storage	1TB SSD minimum NVMe recommended
OS	Ubuntu 20.04+ / RHEL 8+ Docker / Kubernetes
Throughput	1,000 faces/sec per GPU
Max Database	10M+ per node Horizontally scalable
High Availability	Active-active clustering Auto-failover

Camera Requirements

Resolution	2MP minimum (standard CCTV sufficient)
Protocol	RTSP / ONVIF
Frame Rate	15+ FPS recommended
Mounting	Ceiling / Wall mount Indoor & Outdoor
Face Detection	Up to 10m distance
Night Vision	Optional IR assist (not required for daytime)
Supported Brands	Hikvision / Dahua / Axis Any ONVIF-compatible

1:N Large-Scale Matching

400M+

Database Scale

Search against 400 million+ face records in under 1 second. Deployed with government and enterprise clients worldwide.

99.97%

Accuracy

KISA-certified recognition accuracy. Zero false positives in production across millions of enrollments.

< 1 sec

Response Time

Sub-second 1:N matching regardless of database size. GPU-accelerated feature vector search with compact templates.

Software & API

/detect

Face Detection

Real-time face detection from RTSP video streams. Supports multiple faces per frame with bounding boxes.

/search

1:N Identification

Search detected face against database of 400M+. Returns top matches with confidence scores and metadata.

/attribute

Body Analytics

Extract body attributes — gender, age range, clothing color, accessories, backpack — for forensic search.

Deployment Models

CASE A

On-Premise Deployment

Full system deployed on your infrastructure. Complete data sovereignty — biometric data never leaves your premises. Ideal for government and defense.

100%

Data sovereignty — your data stays on your servers

CASE B

Managed Cloud

We operate the VCA infrastructure. You connect cameras and access via API. Pay per camera stream — zero hardware management on your side.

1,000+

Camera streams per node — horizontally scalable

Ready to See Everything?

Schedule a live demo or discuss deployment options for your organization.

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