

Smart Access:

Face Analytics & Identity Verification

Real-Time Face Analytics | Identity Verification | On-Device Vision AI



Face analytics and identity verification in real time, processed at the edge.

A vision system analyzes faces in real time, with all processing done at the edge. It detects and locates faces in the camera view, estimates age ranges and gender presentation, and classifies visible facial expressions such as happy, neutral, surprised or sad. It can also verify a person's identity by comparing the face with a registered reference image. Potential applications include access control, customer experience analysis, smart kiosks, attendance systems and personalized services.

FACE ANALYTICS

- Face detection, age-range and gender-presentation estimation
- Expression classification: happy, neutral, surprised, sad

IDENTITY VERIFICATION

- Compares a live face with a registered reference image
- Clear verification status for every check

EDGE AI COMPUTE

Grinn AstraOneSBC-1680 (Synaptics SL1680)

- Quad-core Arm Cortex-A73 with integrated 7.9 TOPS NPU
- AI runs fully on the board, no extra accelerator needed