Cognitec

FaceVACS-Entry

SALTO WECOSYSTEM

Face recognition technology

for biometric photo capture and person verification

- quickly captures ISO-compliant facial images for biometric photo enrollment
- compares live facial images to biometric photos retrieved from ID documents, tokens or databases
- checks presentation and liveness of a human face
- allows travelers to complete self-service or supervised border control procedures in seconds
- reads QR codes presented to the portrait camera
- integrates easily into eGates, border and ID issuance work stations, and access control solutions
- supports the display of additional custom information from the integration environment
- slim design and flexible mounting methods allow for varied installation options

Components and processes

1. panoramic camera detects the person's face
2. mobile unit instantly moves into optimal position based on face location
3. monitor shows live image of the person
4. responsive LED lighting illuminates the scene
5. monitor displays user guidance based on facial analysis
6. presentation attack technology checks for human faces vs. 2D artifacts
7. 5 MP portrait camera captures high-res portrait photos
8. software performs verification or identification; person is allowed to proceed or receives further instructions
9. biometric photo can be enrolled into entry/exit systems or other registrations programs

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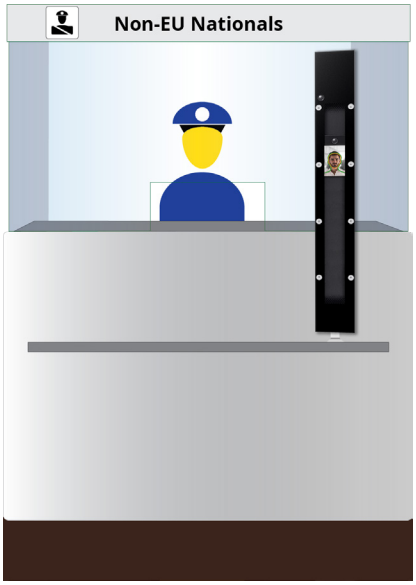
More features

The FaceVACS-Entry product is sold as a hardware device (various P2 panel versions) that includes pre-installed face recognition software for photo capture, verification and identification processes, and software to scan QR codes.



Panel P2

- slim, lightweight design
- various models for different person height ranges
- monitor displays mirror live image, a moving face marker and static silhouette for facial position guidance, a QR code frame, and other user instructions
- includes various VESA mounting options for installation on booths, counters, walls, or in free-standing pillars

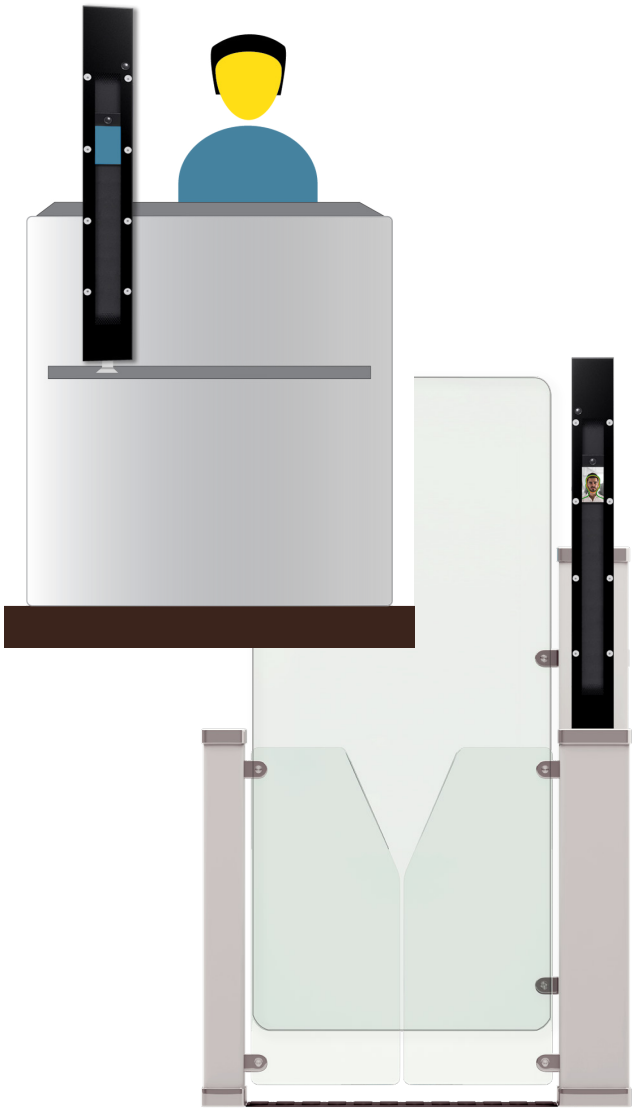


Photo capture and QR code scan

- performs continuous scene analysis
- uses cutting-edge pattern recognition technologies to determine the quality characteristics of portrait images
- applies key measurements for ICAO and ISO standards compliance tests
- supports automatic or operator-triggered image capture
- performs automated cropping of images
- provides facial images to the integration environment
- detects and decodes QR codes printed on paper or on mobile phone displays presented to the portrait camera
- includes user-friendly REST API for easy integration into existing IT solutions

Verification

- compares live images against images stored in ID documents and/or facial images in databases
- incorporates Cognitec's best face recognition algorithm
- delivers industry-leading matching accuracy and speed
- proprietary technology detects presentation attacks (printed images, video material)
- triggers signal to instantly grant or deny access according to the person's security status
- includes REST API for integration into border control systems and other software

Cognitec develops market-leading face recognition technologies and applications for enterprise and government customers around the world, offering premier products for facial image database search, recorded video investigation, real-time video screening and people analytics, border control, ICAO compliant photo capturing and facial image quality assessment. Corporate headquarters are located in Dresden, Germany; other offices in Rockland, MA, USA and Sydney, Australia.

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Cognitec is part of the SALTO WECOSYSTEM

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