RealSense ID Pro F500 for Facial Authentication

Enterprise Vision AI for Secure and Intelligent Access Control

The Next Generation of Access Control

RealSense™ ID Pro F500 is an enterprise-ready, on-device facial authentication solution built on RealSense leadership in depth sensing and Vision AI.

Evolved from the award-winning F450 platform, RealSense ID Pro delivers NIST-verified accuracy and iBeta PAD Level 2 anti-spoofing for enterprise deployments. It is designed for applications across access control, border control, kiosks, ATMs, and time & attendance.

Best-in-Class Accuracy and Performance

RealSense ID Pro delivers top-tier biometric performance verified through industry benchmarks and advanced anti-spoofing protection.

The platform supports up to 10,000 identities stored on-device and authenticates in approximately 300 milliseconds, enabling secure, high-throughput operation. Advanced presentation attack detection helps protect against photos, video playback, masks, and deepfake imagery.

Built for Biometrics and Facial Authentication

RealSense ID Pro integrates stereo cameras, infrared illumination, secure on-device compute, and a specialized neural network optimized for biometric authentication.

The platform also enables advanced Vision AI capabilities such as person and body part classification, pose estimation, and skeletal tracking for intelligent access control applications.

Privacy Driven

Designed with a privacy-first architecture, RealSense ID Pro does not store facial images. Instead, facial features are converted into encrypted faceprints that cannot be reconstructed into an image and are kept securely on-device, supporting global data protection frameworks such as the General Data Protection Regulation (GDPR).

Easy to Integrate

The RealSense ID SDK and REST APIs enable easy integration with existing authentication and access control systems.

The platform supports Windows, Linux, and Android and offers flexible deployment across edge, host, or server-based architectures.

RealSense ID PRO F500 & F455

Specifications

Use Environment:	Indoor /Outdoor
Storage Temperature: **Case Temperature, Powered:**	-30° to 70°C (Module) 0° to 60°C (Case)
Field of view (H x V):	59° × 80°
Recommended Range:	0.3 - 1 meter
Number of Users	10,000
Authentication Range:	30 to 150 cm
Anti-spoofing Range:	30 to 130 cm
Ambient Light:	0 to 50K lux
Operating System:	Windows/Linux/Android
Dimensions:	Width × Length × Depth
Peripheral:	62 mm × 32.5 mm × 11 mm
Module:	50 mm × 18 mm × 4.4 mm