IDloop®

CFS

Contactless, Compact, True 3D

FBI-Certified FAP 60 Fingerprint Scanner

Interoperable

- **AFIS-ready** worldwide
- Compatible with existing infrastructure
- ISO/IEC 19794-4 Compliant Image Format, 500 ppi resolution

High-Throughput

- **Full 4-4-2 enrollment** in seconds (< 2 s per capture)
- Even for dry and wet skin types
- High-Speed Identification & Seamless Access Control

No Contact, No Contamination

- **Hygienic** & contamination-free
- No cleaning required between uses
- Eliminates residual-print false matches

Border Security

High-volume, high security acquisition without queuing bottlenecks

Civil Registration

500 ppi output enables enrollment into national biometric registers

Law Enforcement

Reliable capture of difficult fingerprints—worn, wet, dry or aged

Healthcare

No surface contact in environments where hygiene is a clinical requirement

CFS Technical Data

BIOMETRIC CAPTURE

Scanner Type	FAP 60, FBI PIV Certified Contactless Fingerprint Scanner
Capture Technology	Full contactless 3D capture via structured light
User Interface	LED indicators, pictograms and audio feedback for guidance
Capture Area	81.3 mm x 76.2 mm (3.2" x 3.0"), FAP 60
Image Size	1,600 x 1,500 pixels
Capture Workflow	Customizable workflow, e.g. 4-4-2, 4-4-1-1
Auto-Capture	Auto-Capture with built-in quality check
Capture Time	< 2 seconds per capture
ISO/IEC 19794-4 Compliant Image Format	WSQ, RAW, PNG, TIFF, BMP, JPEG2000
Image Output Resolution	500 ppi/dpi
Bit Depth/Grayscale Levels	8 bit/256 Grayscale
Quality Scoring Output	NFIQ1, NFIQ2
Template Format	ISO/IEC 19794-2:2005/2011, ANSI INCITS 378-2004, other on demand
Palm Capture	Capture Area 81.3 mm x 76.2 mm (3.2" x 3.0"), FAP 60

HARDWARE

Dimensions (W x D x H)	152 mm x 152 mm x 202 mm (5.98"× 5.98" × 7.95")
Weight	2.75 kg
Ingress Protection	IP65 Sealed sensor module
Operating Conditions	Temperature: -10 °C to 55 °C (14 °F to 131 °F) Humidity: 10 % to 90 % RH (non-condensing) Ambient light: 100,000 Lux
Storage Temperature	-40 °C to 80 °C (-40 °F to 176 °F)
Scanner Interface	USB-C 3.1 super speed (min. 1Gbit), NCM driver class, screwable
Power Supply	12 V DC, 5 A, External power supply

SOFTWARE

Supported Operating System	Microsoft Windows 10/11 (64 bit), other on demand
SDK	C++, .NET, other on demand

COMPLIANCE & CERTIFICATIONS

Biometric Device Conformity	FBI PIV-071006
Regulatory Device Conformity	CE, UL, WEEE, RoHS, REACH

IDloop®
Moritz-von-Rohr-Str. 1a
07745 Jena | Germany
+49 3641 554050
contact@idloop.com
www.IDloop.com