IDloop®
Biometrics evolved
www.idloop.com

IDLOOP CFS – THE NOVEL TOUCHLESS FINGERPRINT READER

IDloop's CFS has a large scanning volume and acquires up to four fingers or both thumbs - completely contactless. Maximum accuracy is achieved by just holding the hand over the sensor, while auto-capture takes care of the rest.

The touchless operation is hygienic and has a blazingly fast workflow. The CFS combines the security of fingerprints with highest convenience of a contactless solution.

It captures fingerprints in full 3D and is also compatible with contact-based fingerprint systems (AFIS-Systems). With the CFS you can automatically convert captured 3D data into traditional 2D images, that can be used to successfully match against traditional contact-based fingerprint databases.

This allows for seamless travel and access everywhere. The enrolment of all 10 fingers has never been so easy and fast.

FAST & SEAMLESS WORKFLOW

CFS is IDloop's most innovative reader for seamless biometric solutions. With a compact design and being IP65 rated it can be deployed at any location, be it as a standalone device e.g. for access control or integrated into an automated border control solution, such as e-gates or kiosks.

The reader's high-speed auto-capture recognises all users in a convenient manner. This is achieved with IDloop's patented full 3D technology, unaffected by ambient-light or different skin types. Additionally, no hand movement is required during the capturing process. This allows for compact and neat device integration.

CONVENIENCE & SECURITY

IDloop's patented contactless full 3D fingerprint technology can be used in many applications.

Enrolment, verification, and identification simply works by presenting the user's hand or even thumbs above the sensor. For highest throughput we use intuitive state-of-the-art user-guidance directly on the device.

To increase acceptance, the reader's design is open and user-friendly. This way, the user experiences a truly contactless verification while always seeing his/her hand. Depending on the use case and the security level, different scanning workflows can be selected (e.g. right hand, left hand, thumbs).

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SPECIFICATION IDLOOP CFS

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Touchless Fingerprint Reader	Hand-presence-detection, auto-capture
Sensor Type	Full 3D capture / image conversion of 3D data into 'contact-based like' 2D grayscale images
Capture Area	3.2" x 3.0"
User Interface	Live Preview
Capture Mode	Flat fingerprints including thumbs (4/4/2 workflow)
Image Resolution	500 ppi
Image Size	1,600 x 1,500 pixels
Grayscale	256 grayscale dynamic range (8-bit integer)
Supported Image Formats	PNG
Speed	Min. frame rate > 10 fps for live stream/live view Scan speed < 100 ms Final 2D image output < 3 s
Dimensions (W x D x H)	160 x 160 x 181 mm
Weight	1.6 kg
Scanner Interface	Ethernet (optional Ethernet to USB-C adaptor)
Power Supply	12 V DC, max. 80 Watt, External power supply
Demo App	Win 10/11 64-bit
API	Java, Python
Conformance/Certification	RoHS compliant FCC/CE/UL* FBI PIV-071006*

(*) In process, please ask for current status
Technical specs listed above refer to IDloop´s CFS Rev3