

## **IDLOOP CFS<sup>®</sup> – THE NOVEL TOUCHLESS FINGERPRINT READER**

IDloop's CFS<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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).

## SPECIFICATION IDLOOP



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

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