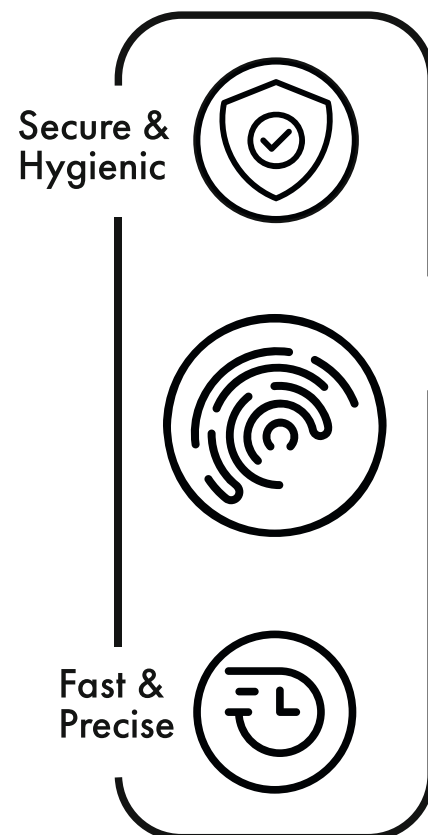


LEVERAGING THE POWER OF 3D FINGERPRINT TECHNOLOGY

FOR CONTACTLESS VERIFICATION AND IDENTIFICATION

What CFS flats Can Do For You:

- A true non-contact 3D capture of all 10 fingerprints for enrolment and verification
- Output of high-quality 2D equivalents for best interoperability with existing fingerprint databases
- Successful matching with images from contact-based devices (1:1 and 1:N)
- Maximum intraoperability thanks to consistently high capture quality
- Robust against different skin conditions (wet, dry) and ambient light
- Non-discrimination on the basis of skin color
- Much faster workflow than with contact-based devices
- High accuracy and safety thanks to millions of 3D data points per shot
- Hygienic, convenient and ergonomic for the user
- Reduced maintenance effort (less cleaning of dirty scanner surface) for the operator



Specification IDloop's CFS flats

Touchless Fingerprint Reader	Hand-presence-detection, auto-capture
Sensor Type	Microscopic 3D capture / image conversion of 3D data into ,contact-based like' 2D grayscale images
Capture Area	81,3 x 76,2 mm
User Interface	User guidance via audio, LED feedback, pictograms
Capture Modes	Flat fingerprints including thumbs (e.g. 4/4/2 workflow)
Image Resolution	500 ppi (final image)
Image Size	1600 x 1500 pixels (FAP60)
Grayscale	256 grayscale dynamic range (8bit integer)
Supported Image Formats	PNG, JPEG2000, BMP, WSQ
API Interface	Python & C++
Speed	Scan Speed < 100ms Live Preview > 10 fps Output final Image ~ 3s
Ingress Protection (Water & Dust)	IP54
Operating Conditions	Temperature: -10°C to 55°C (14°F to 131°F) Humidity: 10% to 80% (non-condensing) Ambient Light: 100.000 lux Robust capture of all skin types
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Dimensions (W x D x H)	152 x 152 x 202 mm
Scanner Interface	USB 3.0
Power Supply	12 V DC, 7.5 A, External power supply
Operating System	Windows 10/11 (64 Bit)



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