 IP65 Rated Ingress Protection

Fingerprint Scanner

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We value your ID's

Introduction

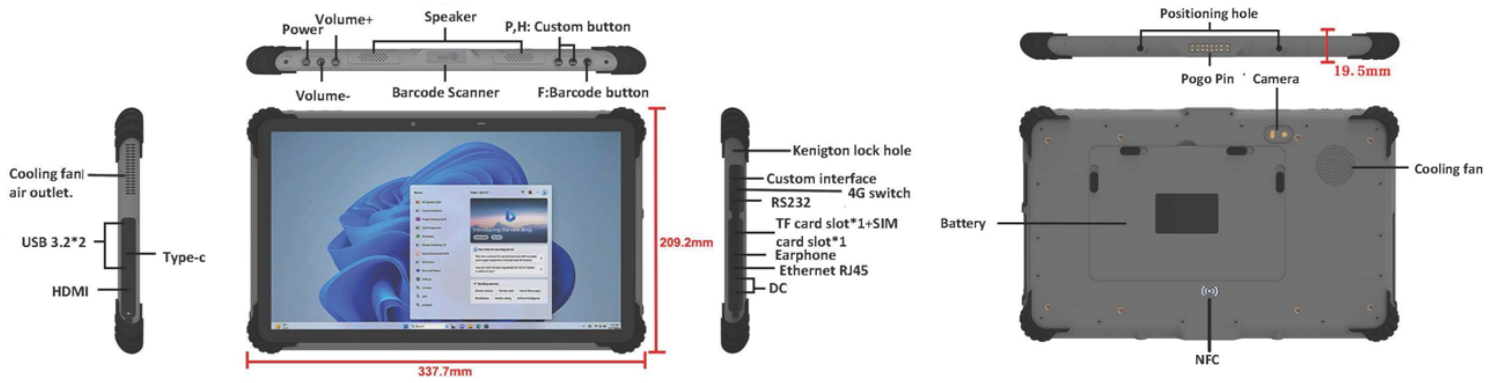
LD-9900-S four-finger scanner produces clear images that fully meet the American FBI FAP 60 image quality requirements, supporting both left and right four-finger scans. The device supports dual thumb flat capture mode, single finger capture for all ten fingers, and single finger rolling capture mode. The scanner meets large-scale national and city-level fingerprint collection needs, providing important technical support and reliable assurance for large-scale public application systems.

Features

- **Ultra-high image quality:** The optical distortion-free fingerprint imaging system provides high-fidelity fingerprint images, which is beneficial for extraction.
- **Powerful collection capabilities:** The large capture window size integrates ten-finger flat, single-finger flat, and single-finger rolling capture in one device.
- **Fast capture speed:** four-finger scanner captures at least 10 FPS and supports real-time finger detection.
- **High adaptability:** Applicable to various types of fingerprints, automatically clears residual fingerprint marks and halo effects, resulting in higher imaging quality.
- **Durable and shock-resistant:** The device features a sturdy design, wear resistance, strong anti-shock and anti-vandalism properties, and is resistant to electrostatic interference, ensuring a long service life.
- **Easy secondary development:** SDK (Software Development Kit) is provided.
- **Voice control for convenience and intelligence :** supports a buzzer and voice guidance to guide users through the appropriate finger pressing operations.

Specification

FingerPrint Scanner	
Product & Electric Parameters	
Product Size (L x W x H)	134mm x 171mm x 102.5mm
Power Voltage	5.0V+/-5% USB Port
Operating Current	<700mA
Port	USB2.0
ESD	Contact: +/-8KV; Air: +/-15KV
Scanner Status	2.4-inch color screen guide collection status
Environment Parameters	
Working Temperature	-10 °C - 55 °C
Storage Temperature	-40 °C - 60 °C
Working Humidity	10% - 90%
Storage Humidity	20%(±3) - 93%(±3)
Fingerprint Parameters	
Image Resolution	500 dpi, tolerance -1%~+2%
Acquisition window size	≥88.0mm*86.0mm
Fingerprint Scanning Window Size	≥81.28mm x 76.20mm(Four Fingers) / ≥32.5mm*32.5mm (Single Finger)
Fingerprint collect Image Pixel Size	≥1600*1500 pixel (Four Fingers) / ≥640*640 pixel (Single Finger)
Fingerprint collect time speed	≥10 frames/sec (≤100ms)(Four Fingers)/ ≥25 frames/sec (≤66ms)(Single Finger)
Image Distortion	≤1%
Image background grayscale unevenness	≤10%
Gray level	8 bit, class 256
Gray scale dynamic range	≥180 grade
Image background gray value	225~255
Image defect	In any 600*600 area, there are no more than 10 pixels with a diameter of 2. Unit: pixel
Interface	Interface USB 2.0 high-speed with 1.8 meters standard USB cable
Certificates	BSI-TR-03104, FBI-EBTS/F
Illumination condition	≤300lx
Scanner Weight	1250g
Dimension	34mm x 171mm x 102.5mm(Length x Width x Height)
Software Parameters	
Image	Image stitching (single finger scrolling acquisition)
	Image segmentation (four-finger plane acquisition)
Finger judgment	Finger judgment, fraud and fake finger detection by liveness-detection
Indicator	Indicator:supports LED and buzzer and voice guidance to guide users through the appropriate finger pressing operations



Voter Biometric Management Suite

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- Webcam
- Document Scanner
- Printer
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