

MARKLAND

MYF 701

Palmprint Scanner



Overview

Format	Flat palmprint, left and right four fingers, double thumb flat fingerprint collection and left and right five fingers single finger collection
Liveness detection	Supported
Fake Finger Detection	Supported

Fingerprint Parameters

Sensor	CMOS
Platen Size	120.2 mm x 103.5 mm
Sensing Area	• Half palm (FBI) ≥139.7 mm x 139.7 mm • Half palm (GA) =117 mm x 117 mm • Lateral palm (FBI) ≥44.5 mm x 101.6 mm • Lateral palm (GA) =52 mm x 100 mm • Four Fingers ≥81.2 mm x 76.2 mm • Single Finger ≥32.5 mm x 32.5 mm • Rolling finger (FBI) ≥40.64 mm x 38.1 mm • Rolling finger (GA) =32.5 mm x 32.5 mm • Thumb (FBI) ≥25.4 mm x 50.8 mm
Image Size	• Half palm (FBI) ≥2750*2750pixels • Half palm (GA) =2304*2304pixels • Lateral palm (FBI) ≥875*2000pixels • Lateral palm (GA) =1024*1968pixels • Four Fingers ≥1600*1500pixels • Single Finger ≥640*640 pixels • Rolling finger (FBI) ≥800*750 pixels • Rolling finger (GA) =640*640 pixels • Thumb (FBI) ≥500*1000 pixels
Acquisition time	• Half palm ≥7 Frames/S(≤143ms) • Lateral palm ≥7 Frames/S (≤143ms) • Single Finger ≥25 Frames/S (≤66ms) • Four Fingers ≥10 Frames/S (≤100ms)
Image Resolution	500 dpi
Gray Level	8 bits, 256 levels
Image Distortion	≤1%
Image Formats	WSQ、RAW、JPEG

Power & Connectors

Interface	USB 2.0 or USB 3.0
Power Source	USB Host
Supply voltage	5.0V $\pm$ 5% USB
Operating Current	<500mA

OS Support & System Requirements

OS Support	Android, Windows, standard SDK development kit and development manual provided
Min. PC Requirements	Intel® Core™ i3 / 2GB RAM / 80GB HDD / USB 2.0 / Windows® 7+*

Operation Environment

Operating Temperature	-10°C - 55°C
Operating Humidity	10% ~ 90%
Storage Temperature	-40°C - 60°C
Storage Humidity	20%($\pm$ 3) - 93%($\pm$ 3)

Certifications

Standards	FBI f.test ; ISO19794-2/ANSI-378 ;GA/T 866-2010 ;GA/T 865-2010 ;GA/T 864-2010
Certification	RoHS