MARKLAND

i Ark M200

Multi-function Workstation

The i Ark M200 is a highly integrated and high-performance identity information collection and verification terminal. It combines passport/document reading, QR code/barcode scanning, fingerprint capture, and high-definition camera imaging into a single device, designed specifically for various scenarios requiring efficient and accurate identity verification. With an ergonomic design and intuitive operation, it can be flexibly deployed at service counters or used as a mobile handheld device, providing users with a one-stop digital solution for identity information management.

Product Features:

Comprehensive Identity Information Collection：Supports electronic documents reading (e.g., passports, ID cards) and is compatible with multiple code formats (QR codes, barcodes).

High-Precision Fingerprint Collection Module: Enables fast and accurate fingerprint capture and comparison.

Binocular Camera: Provides high-definition facial imaging and liveness detection, enhancing recognition security and accuracy.

Integrated and Compact Design: Modular, compact, and easy to operate, suitable for integration into various service counters and self-service terminals.

Efficient and Stable Performance: Offers quick response and reliable operation, ideal for high-frequency usage scenarios

Application Scenarios:

Port Border Inspection and Immigration Management: Used for reading passenger passport information, fingerprint comparison, and facial verification to achieve efficient clearance.

Hotel and Hospitality Registration: Quickly completes guest document scanning and facial capture, meeting public security real-name registration requirements.

Corporate and Campus Access Control and Attendance: Integrated into employee access and visitor management systems, enabling multimodal identity recognition and record-keeping.

Government Public Service Counters: Used for identity verification and electronic information entry in scenarios such as social security, taxation, and government service processing.

Parameter	Details
MRZ/OCR reading	
Supported Font	OCR-B
Supported Stardards	• ICAO 9303 specification Parts 1-4; • ISO 18013 Driving Licence
Supported Documents	• 3 lines MRZ - ID1: eID, Resident Permit... • 2 lines MRZ - ID3: Passport, Visa... - ID2: ID Card... • 1 line MRZ - ID1: Driving Licence...
Contactless/RFID/NFC reading	
Supported Standards	ISO/IEC 14443, ISO/IEC 18092
Supported Card ICs	MIFARE® Classic Family, MIFARE Ultralight Family, MIFARE Plus Family, MIFARE DESFire Family, FeliCa™, NFC Forum Tag Types 1/2/3/4
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
Bar code reading	
1D Code	Code 39, Code 32, Code 128, UPC/EAN/JAN, Code 93, Interleaved 2 of 5, Codabar, Matrix 2 of 5, Industrial 2 of 5 ...
2D Code	QR Code, Data Matrix,Aztec Code, PDF417 ...
Fingerprint Sensor	
Collection window area	16.4 mm * 21.1mm
Collection effective area	15.24mm * 20.32mm
Sensor resolution	500 DPI±1%
Sensor pixel area	300 * 400 pixels
Image dynamic range	≥210 levels
Grayscale image	8-bit, 256 levels of gray
Image frame rate	30 frame/Sec
Image distortion	≤1%
Binocular Camera	
Pixels	2 Mega
Max. Resolution	1920*1080（30fps）
Image Sensor	RGB + IR CMOS
FOV	95°
IR	850±10nm
General	
Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication	12 Mbps (USB 2.0 full speed)
Power Supply	Bus-powered USB
Connector	1.5m USB cable with USB type B connector
Dimensions(L*W*H):	145*235*38mm(±5%) without camera; 145*235*278mm(±5%) with camera;
Status Indicator	3 LEDs
Body	Black, ABS
Temperature	• In operation: 0°C to 50°C • Storage: -40°C to 80°C
Humidity	0-95% non-condensing
SDK language	C#, C++ ...
Operating system support	Windows, Linux, Android ...

TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE.

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