

MANTRA

BIONIC FP6

Experience the Ultimate in Security Through Facial & Fingerprint Technology

Mantra Softech is a Global Hi-Tech Manufacturer of Biometric Products and Solutions.
We offer a Wide Range of Products in Biometric and RFID Industry.






Introduction

This industrial multi-modal terminal is built with face & optical finger sensors to serve industrial use cases powered by the most advanced facial and finger matching engine. The terminal can serve multiple industrial USE CASES such as visitors, attendance, access control and canteen management.

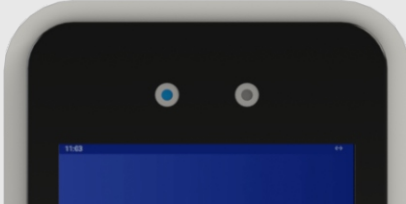
Main Features



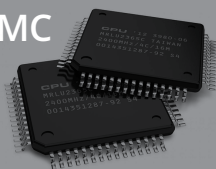
IP54


Dual RGB and Near Infrared Camera

2 Million WDR Pixel Resolution



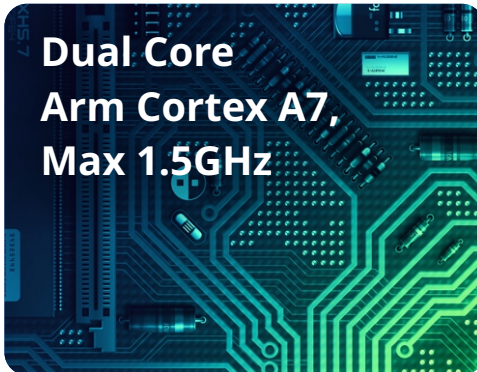
1GB DDR4 + 8GB EMMC






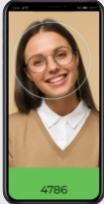
Fingerprint Scanner

Dual Core Arm Cortex A7, Max 1.5GHz



Supports ISO14443 Mifare Classic






Liveness Check Passed

5 Inch, Vertical Screen

H1280 * W720 Resolution

Multi Point Capacitive Touch Screen



Specification



Hardware & System

CPU	: Dual Core Arm Cortex A7, Max 1.5GHz
NPU	: 1.2T FLOPS
Memory (RAM + Storage)	: 1GB DDR4 + 8GB EMMC



Display & Touch

Display	: 5 Inch, Vertical Screen 720*1280 Resolution Flash LED with Variable Intensity
Touch	: Multi Point Capacitive Touch Screen



Binocular Wide Dynamic Camera (RGB + IR)

Camera Type	: Dual RGB and Near Infrared Camera
Pixel Resolution	: 2 Million WDR
Recognition Time	: <200 ms
Pattern Recognition	: Local Identification, Support Offline, Support Mask Identification
Recognition Distance	: Upto 120 cm
Accuracy User	: >99.8%



Interface

Network Module	: 1x RJ45
Wi-Fi	: Supported
Audio	: Support 2W/4Ω
RS485	: 1 x RS485
Wiegand Interface	: 1 x Output
Relay Interface	: 1 x Relay
Power Jack	: 12V DC, 2A
GPIO's	: 2 x GPIO
RTC	: Supported



Smart Card Reader

Contactless Card (Optional)	: Supports ISO14443 Mifare Classic
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Specification



Fingerprint Sensor

Fingerprint Type	: Scratch Free Optical Sensor
Fingerprint Image	: 316 x 354 Pixels (16 mm x 18 mm)
Image Specs	: 500DPI, 8 Bit Grayscale
Certifications	: CE, FCC, RoHS, STQC, PIV, IEC60950, IS13252 Part



Functions/Features

Face Detection	: Support multiple people detection and tracking
Face Database Capacity	: 5000 / 10000
1:N Face Recognition	: Supported (2K, 3K, 5K)
1:1 Face Recognition	: Supported
Stranger Detection	: Supported
Face Recognition Accuracy	: Normal Light Condition > 99.8% External Light Condition > 95%
Liveness Detection	: Supported



Software

Operating System	: Linux OS, Kernel Ver. 4.19.111
Log Capacity	: 1M
Enrollment	: Supported



General Parameter

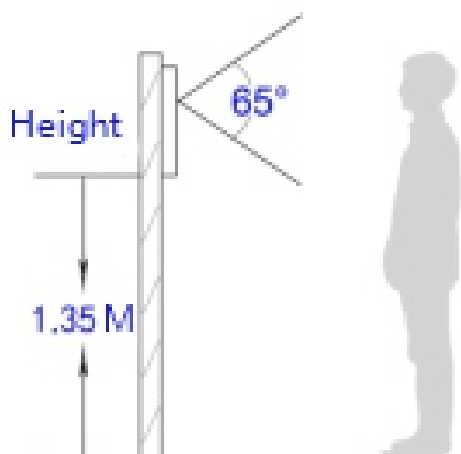
Protection Grade	: IP54
Operating Temperature	: - 10°C~60°C
Operating Humidity	: 90% RH (Non-Condensing)
Dimensions(L X W X H)	: 225mm*97.3mm*73.5mm
Weight	: ~ 500 grams
Mounting Type	: Wall Mount & Turnstile Mount



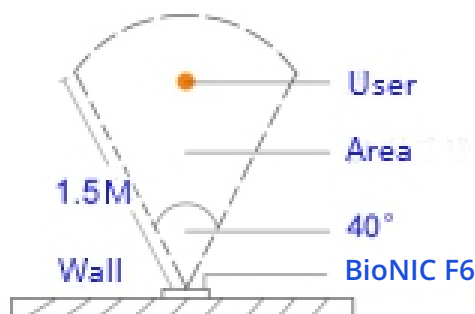
Certifications

Certifications	: BIS, RoHS, IP54
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Vertical Wide Angle



Horizontal Wide Angle



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www.mantratec.com



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www.mantratec.com

Support : servico@mantratec.com

Sales : sales@mantratec.com

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