MANTRA

BiONIC F6

Face Recognition System

The Future of Touchless Access Control

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.

www.mantratec.com

Labels on device diagram:
- IR LED
- IR Camera
- RGB Camera
- IR LED
- Display
- Contactless Card Reader
- USB

Introduction

The smart terminal is a convenient and safe visual face recognition terminal. The product can be applied to traffic scenarios in smart communities, access control channels, facial attendance, hotels, office buildings, schools, shopping malls and other places, helping to achieve intelligent security management and control.

Main Features

IP54

Ultra Slim

Liveness Check Passed

Dual RGB and Near Infrared Camera
2 Million WDR Pixel Resolution

Dual Core Arm Cortex A7, Max 1.5GHz

1GB DDR4 + 8GB EMMC

Supports ISO14443 Mifare Classic

5 Inch, Vertical Screen H1280 * W720 Resolution
Multi Point Capacitive Touch Screen

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Face Recognition System

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%
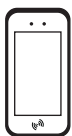
Interface

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

Functions/Features

Face Detection	: Support multiple people detection and tracking
Face Database Capacity	: 2000 / 6000
1:N Face Recognition	: Supported (2K, 6K)
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

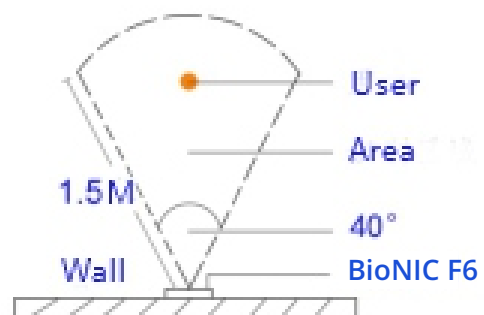|	
Protection Grade	: IP54
Operating Temperature	: $-10℃~60℃$
Operating Humidity	: 90% RH (Non-Condensing)
Dimensions(L X W X H)	: 173mm*87mm*20.5mm
Weight	: ~ 300 grams
Mounting Type	: Wall Mount & Turnstile Mount

Certifications

Certifications	: BIS, RoHS, IP54

Vertical Wide Angle
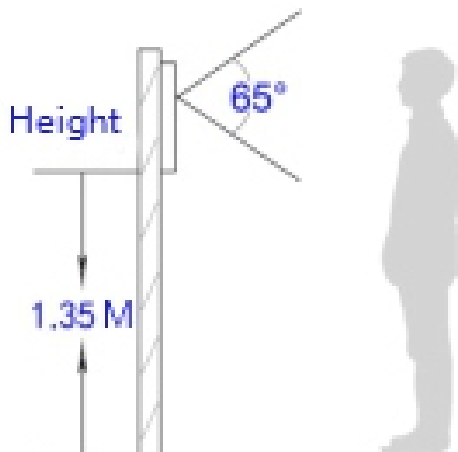
Horizontal Wide Angle

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Support : servico@mantratec.com

Sales : sales@mantratec.com