

MANTRA

BioNIC X3

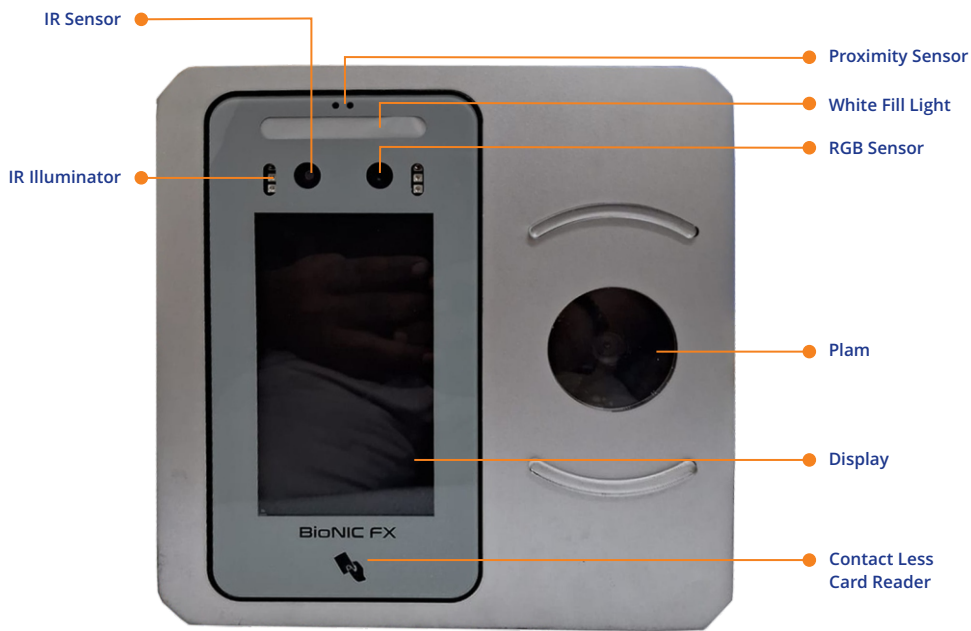
Enterprise Grade Facial & Palm Recognition System

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.




FACE RECOGNITION SYSTEM



Introduction

Mantra's facial & Palm recognition system MVIS 12 is laced with all the latest specifications and has a minimalistic and functional interface. This contactless facial device features anti-spoofing technology that surpasses all your expectations in terms of performance. MVIS 12 is easy to install and configure, so you can put it to use immediately. The device is fully geared to give your company a technological edge in attendance & access control.

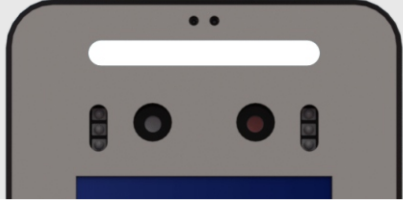
Main Features



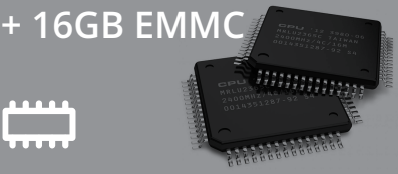
PALM

Dual RGB and Near Infrared Camera

2 Million WDR Pixel Resolution



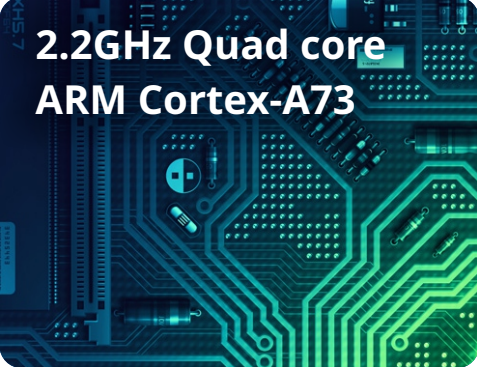
2GB RAM + 16GB EMMC




Certifications

IP54, CE, RoHS, IS 13252(Part 1)

2.2GHz Quad core ARM Cortex-A73





ISO14443 Type A/B Cards, Mifare Classic / Desfire



5 Inch, Vertical Screen H1080 * W1920 Resolution

Multi point capacitive touch screen with tuffen glass





Liveness Check Passed



FACE RECOGNITION SYSTEM

Specification



Hardware & System

CPU	: 2.2GHz Quad core ARM Cortex-A73 and 1.8GHz dual core Cortex-A53
GPU	: ARM G52 MP4 GPU
Memory (RAM + Storage)	: 2GB + 16GB



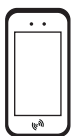
Display & Touch

Display	: 5 Inch, 1080X1920 Resolution, Full view IPS TFT Display
Touch	: Multi point capacitive touch screen with tuffen glass



Binocular Wide Dynamic Camera (RGB + IR)

Camera Type	: Dual RGB and Near Infrared Camera
Pixel Resolution	: 2M (1920 x1080)
Frame Rate	: 30 FPS
Minimum Illumination	: = 0.1 LUX
Dynamic Range	: = 45dB Linear & = 100 dB HDR supported for various light environment
Focus Distance	: 30 -150 cm
White Balance	: Auto
Photo Flood Light Support	: Visible & IR dual Flood Light : Live Face Detection



Interface

Network Module	: 1x RJ45, 10M/100M
Wi-Fi / BT	: Supported
Audio	: Supported
HDMI	: 1 X HDMI
RS232	: 1 x RS232
RS485	: 1 x RS485
Wiegand Interface	: 1 x Output ; 1 x Input
Relay Interface	: 2 x Relay (NC, NO, COM)
Power Jack	: DC 5V/3A
GPIO's	: 5 X GPIO
RTC	: Supported

Specification



Palm

Recognition Angle	: Yaw's 20, Pitches 20*, Rolls 90*, Bend's
Recognition Method	: 1:1 and 1:N
Accuracy	: TAR = 98.2% when FAR = 0.05%
Recognition Time	: <300 ms (Quad – core Cortex – A9 up to 1.6Ghz)
Plam Database Capacity	: 15000



Smart Card Reader

Contactless Card (Optional)	: ISO14443 Type A/B Cards, Mifare Classic / Desfire
Card Database Capacity	: 20000



Functions/Features

Face Detection	: Support multiple people detection and tracking
Face Database Capacity	: 20000
1:N Face Recognition	: Supported (5K, 10K, 20K, 50K)
1:1 Face-matching	: Supported
Stranger Detection	: Supported
Face Recognition Accuracy	: Normal Light Condition > 99.9% External Light Condition > 95%
Liveness Detection	: Supported
Recognition Speed	: 300 ms



Software

Operating System	: Customized Android
SDK	: Appropriate SDK for all accessories to be provided for Android



General Parameter

Casing	: Light weighted oxidised aluminium alloy back cover for heat dissipation with ABS front cover
Protection Grade	: Dust Proof
Operating Temperature	: -10°C~60°C
Storage Temperature	: -20°C~60°C
Operating Humidity	: 10%-90% RH (Non-Condensing)
Dimensions	: 185.0 x 97.0 x 30.5 mm
Weight	: Approx 800 gm
Mounting Type	: Wall mount, Turns Tile Mount



Certifications

Certifications	: CE, RoHS, BIS
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MANTRA

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