

MANTRA

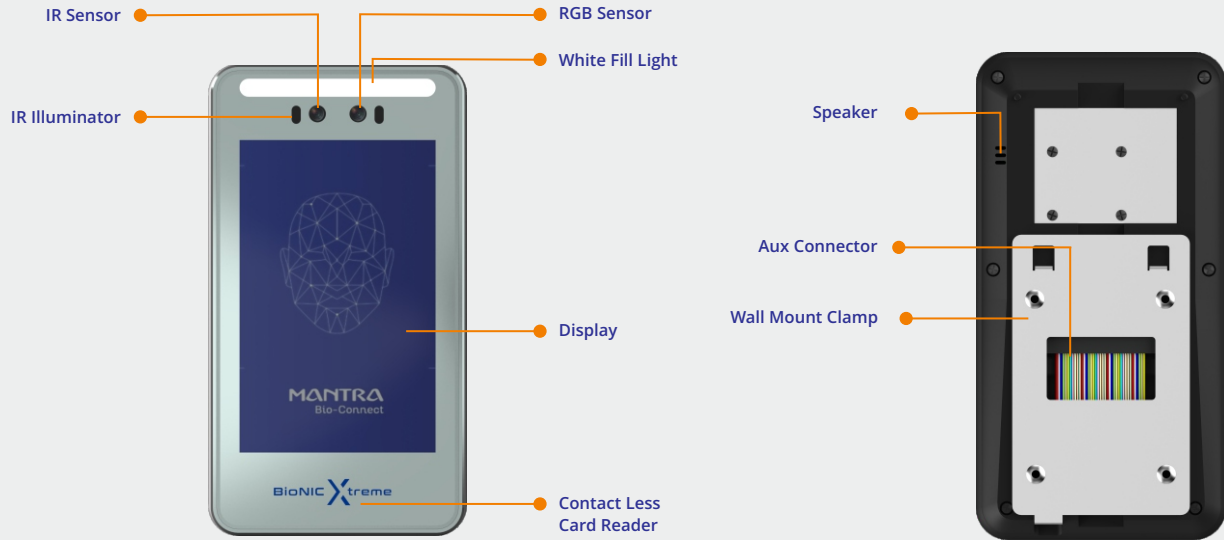
ENTERPRISE FACIAL TERMINAL

BioNIC Xtreme marks a breakthrough in security technology, using deep learning and an advanced AI processor (NPU) for ultra-precise and fast facial recognition. Discover the future of security with BioNIC Xtreme.



BioNIC Xtreme XI

FACE RECOGNITION SYSTEM

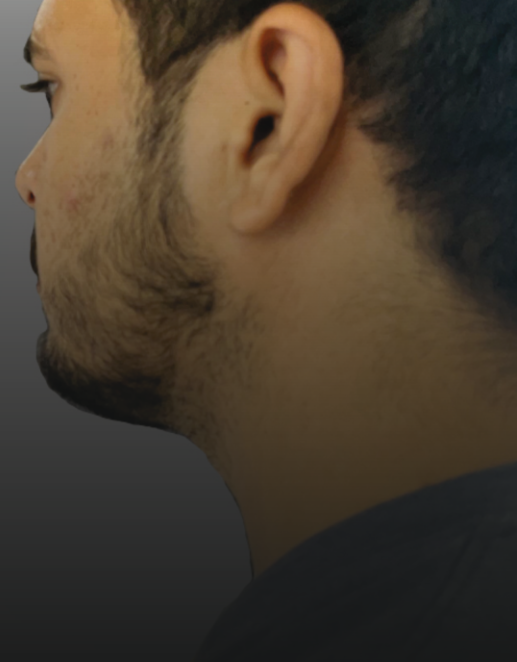


Introduction

Mantra's Enterprise Facial Terminal BioNIC Xtreme™ 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. BioNIC Xtreme 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

 IP65	Dual RGB and Near Infrared Camera 2 Million WDR Pixel Resolution	2GB RAM + 16GB eMMC 
Certifications 		 ISO14443 Type A/B Cards, MIFARE Classic / DESFire
 Liveness Check Passed	2.2GHz Quad core ARM Cortex-A73 	8 Inch, Vertical Screen Multi point capacitive touch screen with tuffen glass 



PRODUCT MODEL	PRODUCT NAME	PRODUCT CODE	DESCRIPTION
BioNIC Xtreme™	BioNIC Xtreme XI	BX081XX1X	8"/Face/Android

Specification



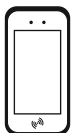
Hardware & System

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	: 8 Inch, 800X1280 Resolution, Full view IPS TFT Display
Touch	: Multi point capacitive touch screen with tuffen glass



Interface

Network Module	: 1x RJ45, 10M/100M
Wi-Fi / BT	: Supported
Microphone	: Diameter of Microphone ~1cm
Speaker	: 80/2W * 1 with 50cm cable.
RS232	: 1 x RS232
RS485	: 1 x Rs485
USB OTG	: USB type A * 1; Micro USB * 1
Wiegand Interface	: 1 x Output ; 1 x Input
Relay Interface	: 2 x Relay (NC, NO, COM)
Power Jack	: DC 12V/2A
Supervised Input (Configurable)	: 1.Egress Switch, 2.Fire Alarm , 3.Emergency Switch , 4.Lock Down Switch
Supervised Output (Configurable)	: 1.Alarm
RTC	: Supported
PoE	: Supported



Smart Card Reader

Contactless Card (Optional)	: ISO14443 Type A/B Cards, Mifare Classic / Desfire
Contact Card Slot (Optional)	: ISO 7816 A/B/C, Supported

Specification



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	: Visible & IR dual Flood Light
Support	: Live Face Detection



Functions/Features

Face Detection	: Supported Face Recognition with Mask
Face Database Capacity	: 20000
1:N Face Recognition	: Supported (5000)
1:1 Face-matching	: Supported (20000)
Users & Log Capacity	: 1M
Stranger Detection	: Supported
Face Recognition Accuracy	: Normal Light Condition > 99.9% / External Light Condition > 95%
Liveness Detection	: Supported
Recognition Speed	: 300 ms



4G Module(Optional)

Sim Card Slot	: Nano SIM card slot
Speed	: 150Mbps Download/50Mbps Upload
Antenna support	: 1*4G Main , 1*4G DIV ,1 X GPS
Transmission Rate	: 150Mbps



Software

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



General Parameter

Casing	: ABS
Protection Grade	: Dust & Water Proof
Operating Temperature	: -10°C~60°C
Storage Temperature	: -20°C~60°C
Operating Humidity	: 10%-90% RH (Non-Condensing)
Dimensions	: ~269 X 138 X 40 mm
Weight	: ~950 gm
Mounting Type	: Wall-mounted /Pole-Mounted/e-Gate



Certifications

Certifications	: CE, RoHS, IP65, BIS, FCC, UL
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MANTRA

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