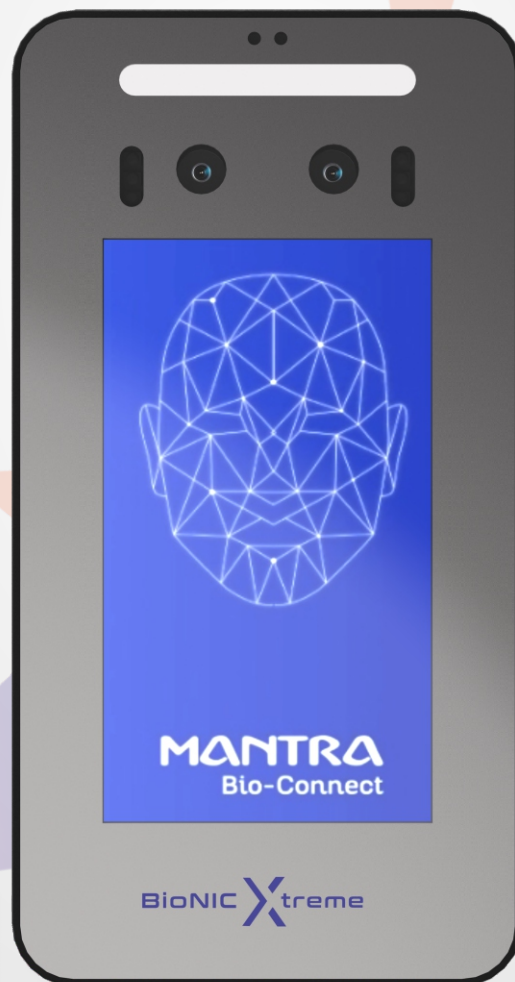


MANTRA

Elegant and Secure Facial Authentication 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

FACIAL AUTHENTICATION TERMINAL



Introduction

The BioNIC Xtreme™ devices epitomize the evolution of security technology, integrating a comprehensive suite of cutting-edge features for unparalleled protection. This groundbreaking series includes Facial Recognition (FR) and a Contactless Card at 13.56 MHz, creating a multifaceted approach to identity verification and access control. What sets the BioNIC Xtreme series apart is its seamless connectivity through 4G LTE, enabling real-time monitoring and remote management. Whether securing critical facilities, ensuring safety compliance, or enhancing workplace access, these advanced devices empower organizations to embrace a new standard of security, making them the intelligent choice in today's security-conscious world

Main Features



IP65

Dual RGB and Near Infrared Camera

2 Million WDR Pixel Resolution



2GB RAM + 16GB eMMC



Certifications



2.2GHz Quad core ARM Cortex-A73





ISO14443

Type A/B Cards, MIFARE Classic / DESFire





Liveness Check Passed



5 Inch, Vertical Screen

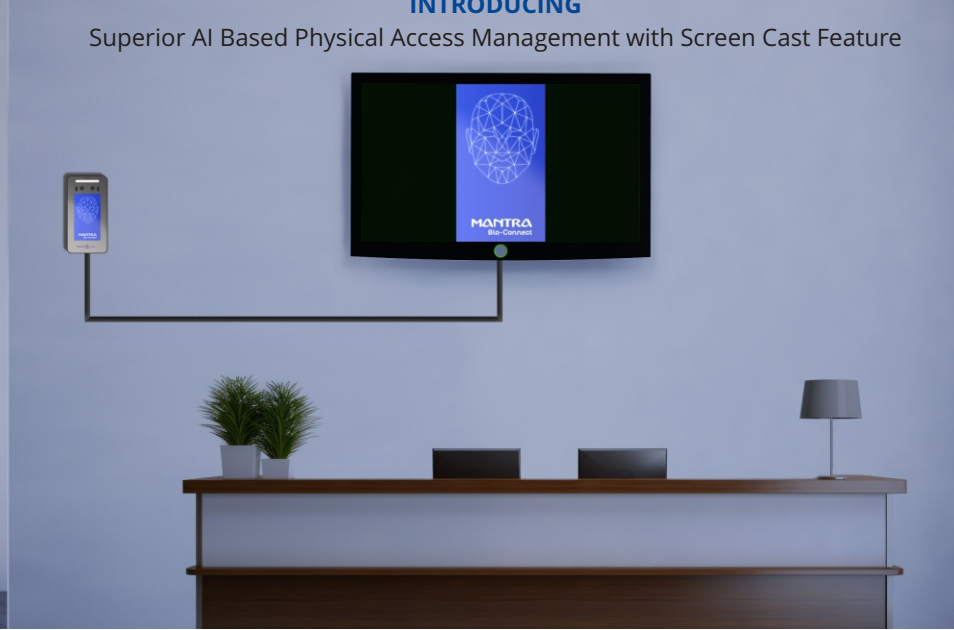
H1080 * W1920 Resolution

Multi point capacitive touch screen with tuffen glass



INTRODUCING

Superior AI Based Physical Access Management with Screen Cast Feature



PRODUCT MODEL	PRODUCT NAME	PRODUCT CODE	DESCRIPTION
BioNIC Xtreme™	BioNIC FX	BX051XX1X	5"/Face/Android
		BX051XX2X	5"/Face/Linux
		BX051X11X	5"/Face/4G/Android

Specification



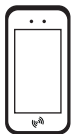
Hardware & System

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	: 5 Inch, 1080X1920 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
Audio	: Supported
HDMI Out	: 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
Supervised Input (Configurable)	: 1.Egress Switch, 2.Fire Alarm, 3.Emergency Switch, 4.Lock Down Switch
Supervised Output (Configurable)	: 1.Alarm
RTC	: Supported



Smart Card Reader

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

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	: Support multiple people detection and tracking
Face Database Capacity	: 10000 / 50000
1:N Face Recognition	: Supported (5K, 10K, 20K, 50K)
1:1 Face-matching	: Supported
User & 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 / Linux
SDK	: Appropriate SDK for all accessories to be provided



General Parameter

Casing	: Light weighted oxidised aluminium alloy back cover for heat dissipation
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 500 gm
Mounting Type	: Wall mount, Turns Tile Mount



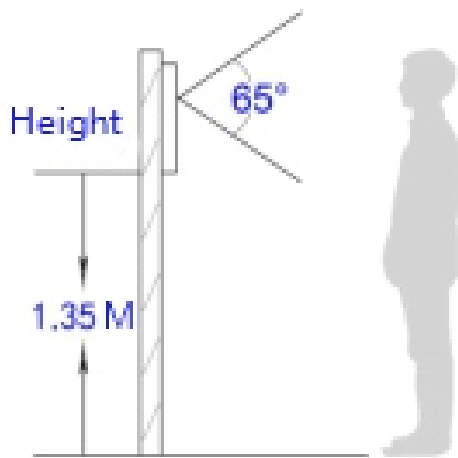
Certifications

Certifications	: CE, RoHS, BIS
----------------	-----------------

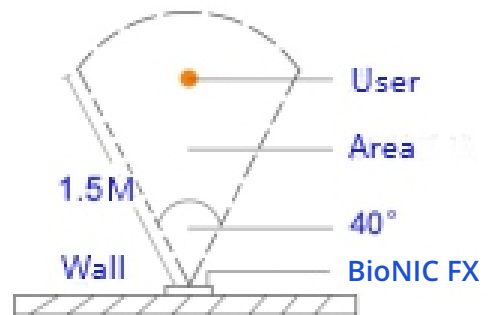


FACIAL AUTHENTICATION TERMINAL

Vertical Wide Angle



Horizontal Wide Angle



MANTRA

www.mantratec.com



MANTRA

www.mantratec.com

Support : servico@mantratec.com

Sales : sales@mantratec.com

Copyrights Mantra Softech (India) Pvt Ltd. All Rights Reserved.