## MANTRA

## IPAS-AI

# Integrated Personal Auth and Analyzing System Al Enabled with Integrated EDHMS

## Type: 1 Reader Terminal

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.



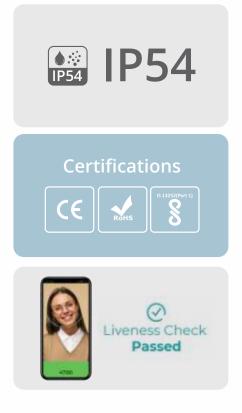
#### **IPAS-AI**



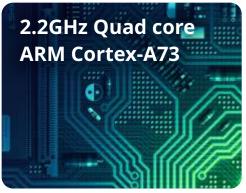
### Introduction

Enhance security and compliance with our cutting-edge breath analyzer, integrated with advanced facial recognition technology. Designed for identity-based access control systems, this device offers accurate alcohol level detection and secure identity verification. Ideal for high-security areas, it ensures only authorized, sober personnel gain access, reducing risk and promoting safety. Streamline your security protocol with this reliable, innovative solution.

#### Main Features





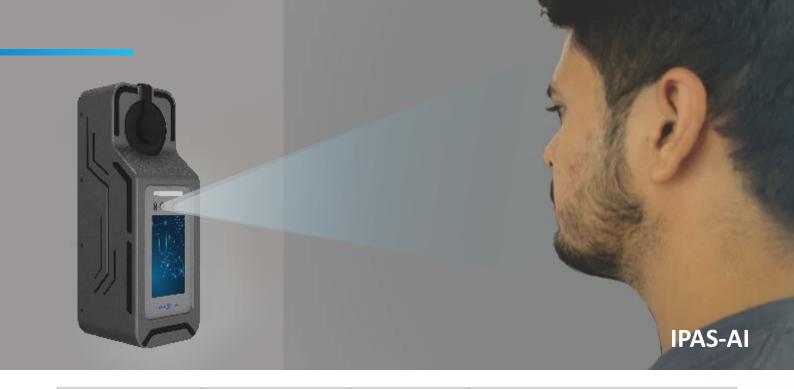












PRODUCT MODEL	PRODUCT NAME	PRODUCT CODE	DESCRIPTION
IPAS-AI	Type:1 Reader Terminal	BA0512X11	5"/Face/Breath Analyzer/Integrated EDHMS

## Packing List

Network Cable : 30Mtr Power Cable : 30Mtr

Power Supply : 1X Power Adaptor EDHMS Application : Built-in With Device

Installation : Onsite Installation included

Testing and Commissioning : Included

## 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 DisplayTouch: 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 : Visible & IR dual Flood Light

Support : Live Face Detection

## Specification



#### **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 12V/2A

Input/Output : 3 X Input (IN0- Egress, IN1- Emergency, IN2- Fire); 2 X Output (Out0- Rev, Out1-Rev)

RTC : Supported

2G/3G/4G : Supported (Optional)



#### **Functions/Features**

Face Detection : Support multiple people detection and tracking

Face Database Capacity : 20000 / 50000 1:N Face Recognition : Supported (20K, 50K)

1:1 Face-matching: SupportedStranger Detection: Supported

Face Recognition Accuracy : Normal Light Condition > 99.9%

External Light Condition > 95%

Liveness Detection : Supported Recognition Speed : 300 ms

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#### Software

Application : Integrated EDHMS Application (Edge Devices Health Monitoring System)

Operating System : Managed Android 9

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#### **Breath Analyzer**

Accuracy : +/- 0.005%BAC at 0.100%BAC

Sensor : Replaceable fuel cell type alcohol sensor

Mouthpiece : No need to use

Warm up time : 3 seconds ~ 4 minutes

Response time : Within 3 seconds at 0.00%BAC

Within 10 seconds at 0.10%BAC

## Specification



#### **General Parameter**

Casing : Stainless steel bottom plate with ABS top enclosure

Protection grade : Dust Proof Operating Temperature :  $-10^{\circ}$  <a href="#">-60^{\circ}</a> Storage Temperature :  $-20^{\circ}$  <a href="#">-60^{\circ}</a>

Operating Humidity : 10%-90% RH (Non-Condensing)
Dimensions : 375.0 x 127.0 x 132.0 mm

 $\begin{tabular}{lll} Weight & : & 2000g \sim 2200g \\ Mounting type & : & Wall Mount \\ \end{tabular}$ 

Certifications : CE, RoHS, BIS, IP54, IK00



# MANTRA

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#### MANTRA

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