

Introduction

This device is an advanced facial recognition device with a temperature detection system. It has a stunning 8-inch display, dual-lens camera and an infrared camera which provides accurate results.

These devices can detect infected persons from an average distance of 0.8 to 1 meters and identify faces of up to 1 lakh users depending on the variant of the device.

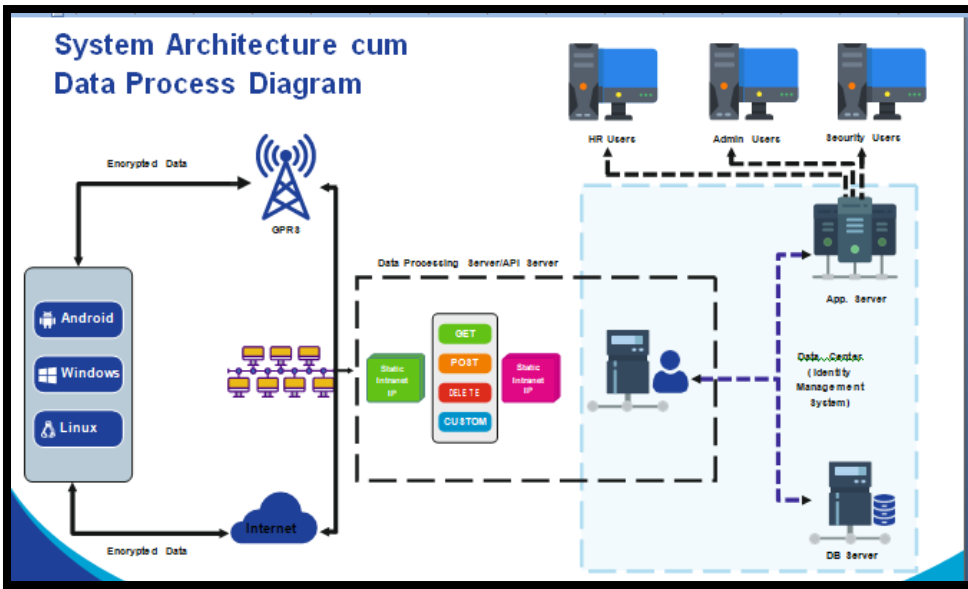
Uses

- In medical facilities, patients suffering from communicable or contagious diseases can be diagnosed with the help of these devices. The AI-based facial recognition devices can also help in detecting genetic disorders which bring distinctive changes in facial characteristics
- In offices, employees who are sick or having temperature more than the predetermined limit can be easily detected to prevent spreading of viruses. It can also be used to record employee attendance.
- In airports and public transport industry, infected international passengers can be detected to contain the spread of viruses in the country.

Features

Face Recognition is machine that facilitates / Provides the following :

- High speed processor for quick matching and accuracy
Temperature detection during every face match
Mobile network support for non network location
- Dual camera for liveness detection and 3D photo capture to manage high accuracy
- Industries among best facial algorithm in NIST
- No proprietary card memory map, customize for every client to manage card security for specific customer
- Face mask wearing alerts. However, facial recognition accuracy would be decreased due to face mask



Technical Specifications:

S.no.	Parameter	Remarks
A	GENERAL	
1	Device Type	High end facial recognition with temperature Detection System
2	Screen Size	8-inch IPS
3	Camera	Dual Lens camera RGB+IR (2MP + 1.3 MP)
4	Operating System	Android 7 and higher
5	Processor	Dual core 1.8GHz + Quad Core 1.4GHz
6	Memory	4GB DDR, 16GB eMMC
7	Capture Quality	White LED
8	Sensor	Infrared
9	Card	ISO 14443 Type A/B Mifare, ISO 18092 compliants
10	Communication	Ethernet / Bluetooth / WIFI
11	Mobile Communication	GPRS / LTE SIM Card (Optional)
13	*Body Temperature	Precision within 0.5 Degree higher or lower, without black body calibration.
14	Distance	Within 0.8 meter to 1 meter for best use case
15	AI Controller	NA
16	User capacity	10000 users for 1: N matching, 2.0Lac users for 1:1 matching
17	Transactions	100000 data logs, 10000 audit logs, 100000 special access control events.
18	Software	BioAndro, MORZEL 4.0, Cloud based MINOP (Optional)

19	Peripheral Ports	Power: DC Jack, LAN: Rj45, Micro USB, Wiegand, Rs485
20	Audio	Digital Audio Speaker, Microphone
21	Environment	Operating Temperature: -5 degree to +50 degree Humidity: 0 to 90 percentage non-condensing
22	Mobile Device Management	Mantra standard MDM Software (Optional)
23	Mounting Brackets	Wall Mount Bracket (Optional), Turnstile Mount Bracket, 2-meter pole bracket for barrier