ADERA BCAT-200

BIOMETRIC CONTACTLESS ATTENDANCE & TEMPERATURE SYSTEM

In these unprecedented times, keep your visitors and facilities safe with ADERA's biometric contactless digital attendance and temperature system. Due to the present Covid-19 pandemic situation, there is a critical need to provide temperature taking and safe distancing measures. Companies and facilities have limited their number of staff entry points and imposed temperature taking measures.

Automate your attendance, temperature taking and SafeEntry digitally in a hygienic and efficient way, with no backend infrastructure required. Standalone device or network-based available.

Easy Setup

- Standalone Android device mounted at entrance of mall / facility
- Android device can be wall mounted or placed on a stand.
- Connectivity between administrative PC & Android Device: LAN or Wifi

Attendance Logs (Retrievable as CSV files)

- NRIC (last 4 digits), Date, Time, Pass/Fail, Temperature reading, entry location.
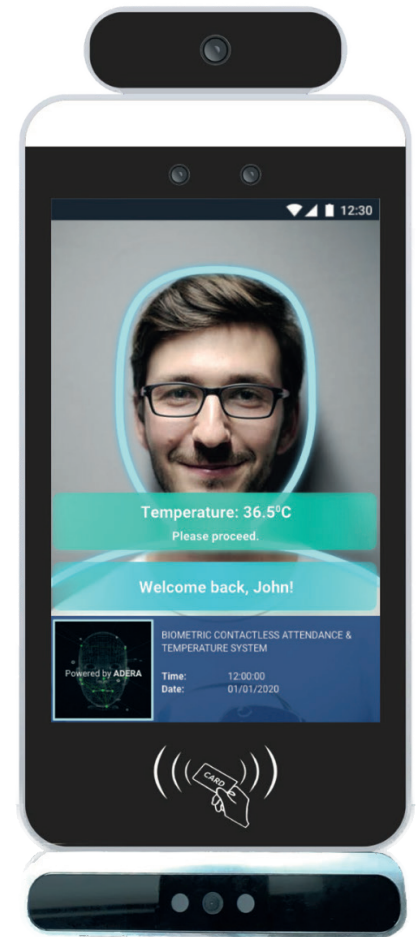
Features

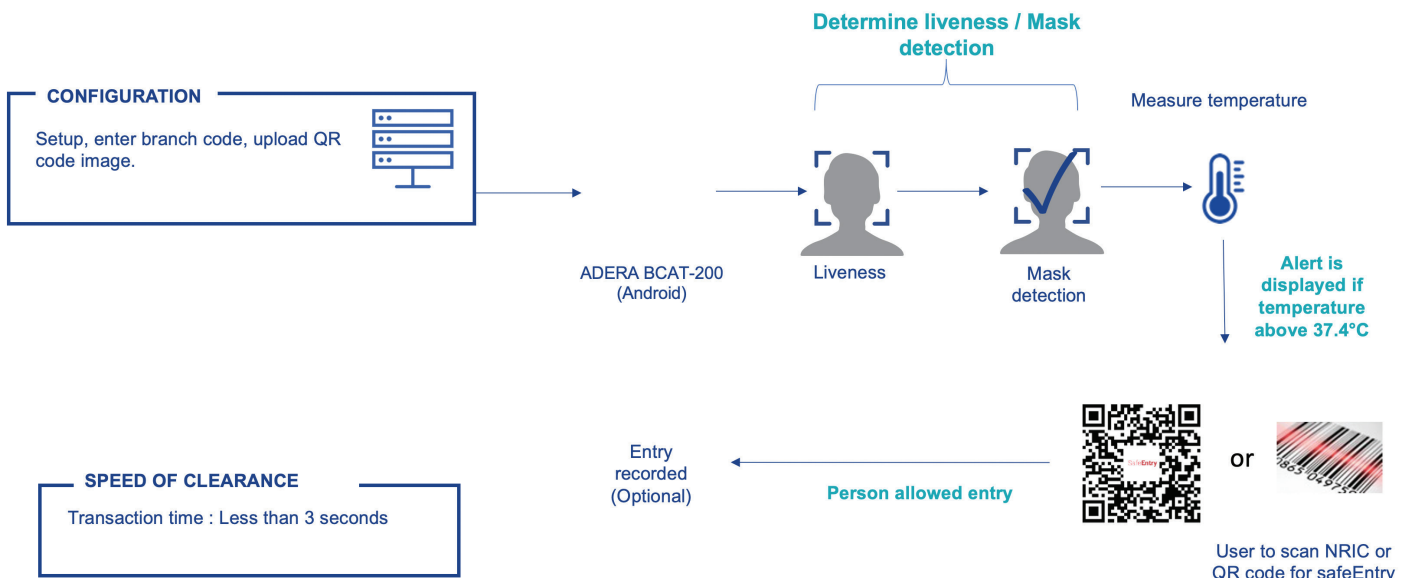| Fast & accurate temperature reading	Facial detection to ensure use of masks	Ensuring a healthy and hygienic public environment	Night mode available

Workflow

CONFIGURATION
Setup, enter branch code, upload QR code image.

ADERA BCAT-200 (Android)

Determine liveness / Mask detection

Liveness

Mask detection

Measure temperature

Alert is displayed if temperature above 37.4°C

SPEED OF CLEARANCE
Transaction time : Less than 3 seconds

Entry recorded (Optional)

Person allowed entry

or

User to scan NRIC or QR code for safeEntry

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Specifications

Camera

Resolution	2 million pixels
Type	Binocular wide dynamic camera
Focusing distance	50 - 150cm
White balance	Auto
Photo flood light	LED and IR dual photo light

Screen

Size	8.0 inch IPS LCD
Touch	Not supported
Resolution	800 x 1280

Processor

CPU	RK3288 Quad-core
RAM	DDR4 2G
Storage	EMMC 8G
OS	Android 7.1

Interface

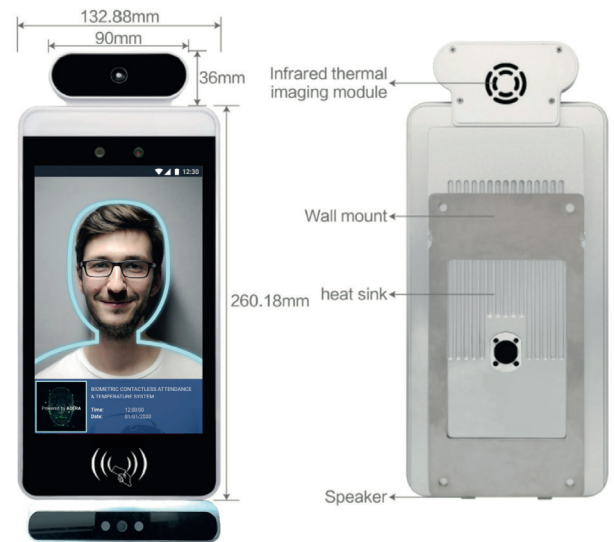|	
Network module	Ethernet and wireless (WIFI)
Audio	2.5W / 4R speakers
Serial communication	1 RS232 serial port
USB	1 USB OTG, 1 USB Host standard A port
Wiegand	1 door open signal output
Wired Network	1 RJ45 Ethernet Socket

Face Detection

Face detection	Supported
Face mask detection	Supported

Temperature Sensing

Measurement	Supported
Optimal distance	1m (optimal distance 0.6m)
Sensing accuracy	≤ ± 0.3°C
Sensing range	10°C ~ 42°C
Thermal field of view	32 x 32°C
Abnormal temperature indicator	Supported

132.88mm
90mm
36mm
260.18mm

Infrared thermal imaging module
Wall mount
heat sink
Speaker

Catered to your business needs

Available as a standalone device connected to one adminstrative PC or opt for a central server management of multiple devices.

	BCAT200	BCAT200N
Mask detection Temperature taking SafeEntry via QR code SafeEntry via NRIC scanning	✓	✓
Standalone Management - 1 admin PC to 1 device	✓	-
Central server management Multiple devices Extract attendance logs from multiple devices at one go	-	✓

ALL ID