



Frequently Asked Question

Fingerprint attendance device Speed Face 5 THRL

By : BioMax

Sure! Here's a helpful FAQ-style overview for the **Biomax Speed Face 5 THRL** device, based on its official specifications and features:

❖ General Overview

- **Device Type:** AI-based face recognition terminal
- **Primary Functions:** Face detection, temperature screening, mask detection, access control, attendance tracking

❖ Features & Capabilities

- **Face Capacity:** Up to 50,000 users
- **Log Capacity:** 200,000 to 1,000,000 logs depending on configuration
- **Recognition Modes:** 1:1 and 1:N facial recognition
- **Detection Support:**
 - Living body detection
 - Stranger detection
 - Masked face recognition
- **Temperature Screening:**
 - Range: 35.5°C to 42°C
 - Distance: 30cm to 120cm
 - Environment: 10°C to 42°C

❖ Display & Interface

- **Screen:** 5-inch IPS LCD touch screen
- **Resolution:** 854 × 480 pixels
- **Operating System:** Linux
- **CPU:** Dual-core ARM Cortex
- **Connectivity:**
 - Wi-Fi (IEEE 802.11b/g/n)
 - LAN (RJ45 Ethernet)
 - USB (optional)
 - Wiegand output
 - TTL serial port

❖ Installation & Environment

- **Power Supply:** DC 12V/2A
- **Working Temperature:** -10°C to 50°C
- **Humidity Range:** 10% to 90%
- **Dimensions:** 216 × 90 × 25 mm

❖ Common Questions

Q: Can it detect users wearing masks?

- Yes, it supports masked facial recognition and thermal-based mask detection.

Q: Is remote update supported?

- Absolutely. The device can be updated remotely via LAN or public network.

Q: Does it support RFID cards?

- Yes, it supports dual verification modes including RFID card recognition.

Q: Is there battery backup?

- Some models offer optional external battery support.

Q: What are the best practices for installing this device?

Installing the **Biomax Speed Face 5 THRL** device correctly ensures optimal performance, security, and longevity. Here are the best practices to follow:

❖ Installation Best Practices

Placement & Positioning

- Mount the device at **eye level** (typically 1.4–1.6 meters from the ground) for accurate facial recognition.
- Ensure **adequate lighting**—avoid direct sunlight or harsh shadows on the face.
- Maintain a **clear background** behind the user to reduce false detection.
- Keep the **temperature sensor** unobstructed and within its optimal range (30–120 cm from the user).

Power & Connectivity

- Use a **stable DC 12V/2A power supply** to avoid voltage fluctuations.
- Connect via **LAN or Wi-Fi** for reliable data transmission.
- Secure the network with **firewall and encryption protocols** if connected to public networks.

Mounting Surface

- Install on a **flat, vibration-free surface**—preferably a wall or kiosk stand.
- Use the **manufacturer's mounting bracket** and screws for secure attachment.

Environmental Considerations

- Operate within the recommended **temperature range (-10°C to 50°C)** and **humidity (10%–90%)**.
- Avoid placing the device near **heat sources, air vents, or outdoor exposure** without proper shielding.

Software & Integration

- Update firmware and software **before deployment** to ensure latest features and security patches.
- Integrate with **attendance or access control systems** using supported protocols (Wiegand, TTL, etc.).
- Configure **recognition distance and mask/temperature detection settings** based on site needs.

Security & Access

- Set up **admin credentials** and restrict access to configuration menus.
- Enable **remote monitoring and alerts** for unauthorized access attempts.
- Regularly **back up logs and user data** to secure storage.

