

## BIO-Totem 500

The Biometric Self-Kiosk is an advanced, user-friendly identification and authentication system designed for seamless and secure self-service operations. It integrates high-precision biometric authentication with a modular design, allowing for diverse applications across industries



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# Totem Biometric Kit

## Revolutionizing Self-Service with Cutting-Edge Biometric Technology

The Biometric Self-Kiosk is a next-generation, fully automated identification and authentication system designed for ultimate security, speed, and convenience. With state-of-the-art biometric authentication, a high-performance processor, and a modular design, it seamlessly adapts to various industries for frictionless user experiences.

## Industry Applications

- Government & Public Services – Streamlined e-ID verification, passport control, and secure voting.
- Banking & Financial Services – Self-service KYC verification and secure transactions.
- Healthcare – Hassle-free patient check-ins and medical record access.
- Retail & Hospitality – Effortless self-checkouts and loyalty program registration.
- Transportation – Secure and efficient ticketing and boarding authentication.
- Corporate & Workforce Management – Advanced access control and visitor verification.

## Customization to Fit Your Needs

Tailored Solutions – We offers fully customizable branding, software integration, and additional peripherals to meet unique business requirements.

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# BIO-Totem 500



Security Camera

Thermal Sensor

Camera LED Light

Camera

RGB LED Indicator

21.5" Touch Screen

Microphone

Speaker

Fingerprint

Barcode Reader

Passport Reader

Thermal Printer

## Specification

### Category Description

Power	220V/110V@60Hz/50Hz - Model HRP-150-12, DC 12VDC/12.5A / HRP-150-24, 12VDC/16.7A, Anti-surge, Anti-overvoltage, Anti-electrostatic ESD
UPS	MT1000 uninterruptible power supply, 1000VA/600W, 30min duration, charging time ≤16Hrs
Thermal Monitoring	Chip sensor LM75, relay-controlled power system, SMS/email alerts via ESP32
External Ports	2+ USB A, 1+ USB C, 6-8 POE host, 1+ Relay, Ethernet
Connectivity	Wi-Fi 6 (802.11a/b/g/n/ac/ax), 2.4GHz and 5GHz
Illumination Guidance	RGB LED lights, color-coded indicators for different states
Video Security	Infrared array network camera, 4MP resolution, 120DB fast dynamic
Audio	Dual-channel speakers, frequency response range 80HZ~16KHZ; Signal to noise ratio SNR≥80dB, distortion degree ≤1%, output power ≤10W, 4-channel capacitive microphone
Operating System	Android 13 (upgradeable) with Google certification
Processor	RK3588 ARM Octa-core, Cortex-A55 up to 2.4GHz, Wi-Fi/Bluetooth support
RAM / Storage	16GB LPDDR4x / 256 eMMC (upgradeable)
Touchscreen	21.5-inch touch screen, 1920×1080@60Hz / Display ratio 16:9, Response time 5ms. Brightness 220cd/m2, contrast (standard value) 1000:1. View Angle 89/89/89/89(Typ.)
Face Recognition	Dual RGB+NIR camera, auto-adjusting, WDR imaging Normal illumination 500LUX) : 40cm ~ 120cm. Low light (illumination 15LUX) : 35cm ~ 95cm. Backlight illumination 12000LUX) : 35cm ~ 87cm. Imaging Angle: binocular camera horizontal ≥ 73 degrees, vertical ≥ 55 degrees Support up-and-down automatic adjustment Angle, vertical direction up 30° down 30°, automatically track people height of 1.4 ~ 2.0m Face tracking response time ≤1S"
Thermal Sensor	Accuracy ±0.3°C, range 30-45°C
Camera Light	Energy-saving LED, adjustable color temperature 6000K
Document Scanner	QR code, PDF417, Code 128, ITF14 support, ICAO-9303 e-passport reading
Fingerprint Sensor	iMD Rossii Plus, FBI Appendix F, FAP50 certified, signature pad, LCD screen, anti-spoofing
Printer	4-inch thermal/transfer, max 104mm width, 14 ips speed, Printing medium: Continuous paper, Gap paper, Black mark paper, Punched hole paper, ECO thermal label, Coated semi-gloss art label, Synthetic fiber label, Textile ribbon, Vinyl., Protocol ZPL, DPL, EPL, TSPL.

## Dimensions (cm)



## 360° view and Dimensions

