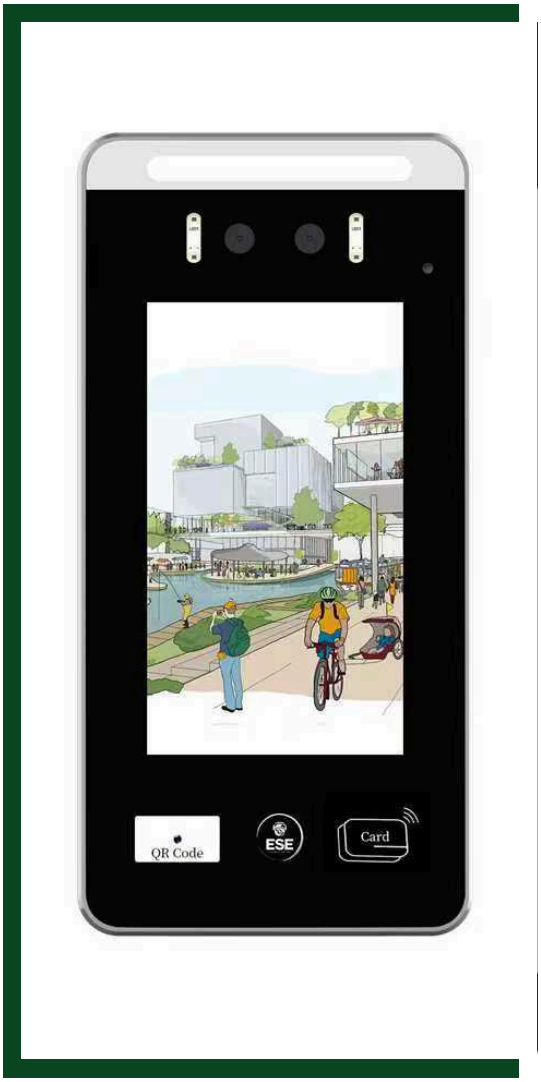
ESE-VF631-T

5-Inch Facial Recognition Terminal

FACE RECOGNITION	BLUETOOTH ACCESS	5-INCH HD DISPLAY
ACCESS CONTROL	HDR BINOCULAR CAMERA	CLOUD MANAGEMENT



Product Overview

The ESE-VF631-T facial recognition terminal is a high-performance and reliable smart access solution built on an embedded Linux platform with NPU acceleration. It supports face recognition, Bluetooth access, IC card access, password unlocking, mobile remote opening and optional QR code access. The device features a 5-inch HD full-touch screen, 2MP HDR binocular live-detection camera, low-power operation and cloud-based remote management. Typical applications include residential estates, parks, campuses, kindergartens, hospitals and other smart-building access points.

Key Features

- Integrates facial recognition and access control functions in one terminal.
- ARM high-speed CPU with NPU and embedded Linux system.
- Standard Ethernet communication, with optional 4G / WiFi expansion.
- Multiple unlocking methods: Bluetooth, remote, face, card, password and optional QR code.
- 2MP HDR binocular live-detection camera for anti-spoofing performance.
- Cloud-based remote management helps reduce on-site administration work.
- Supports security capture and event information collection for entry and exit personnel.
- Rugged aluminum alloy + tempered glass housing with IP65 protection.

Technical Specifications

Core hardware and performance specifications for the ESE-VF631-T model.

Item	Specification
System platform	Embedded Linux
Main chip / processing	1 GHz main frequency + 1T computing power
Memory	512 MB
Storage	8 GB
Screen size	5 inch
Touch screen	Full-touch screen
Camera	2MP HDR binocular camera with anti-backlight live detection
Face capacity	20,000 faces
Communication mode	Standard Ethernet, Bluetooth, optional 4G / WiFi
Opening methods	Card swipe, face recognition, Bluetooth, remote opening, password, phone transfer unlocking, indoor unit unlocking, and optional QR code unlocking
Access control function	Door magnetic sensor, unlock relay, door switch, Wiegand interface
Visitor function	Supports visitor interaction

Access Control & Platform Features

Additional authentication, environmental and platform-management capabilities.

Item	Specification
Elevator control function	Optional support for elevator control
RF card type	IC (ISO14443A/B) / CPU card, optional ID card
Bluetooth opening distance	Barrier-free within 10 meters
Waterproof grade	IP65
Housing material	Aluminum alloy + toughened / tempered glass
Device size	195 × 96 × 23.5 mm

Platform Features

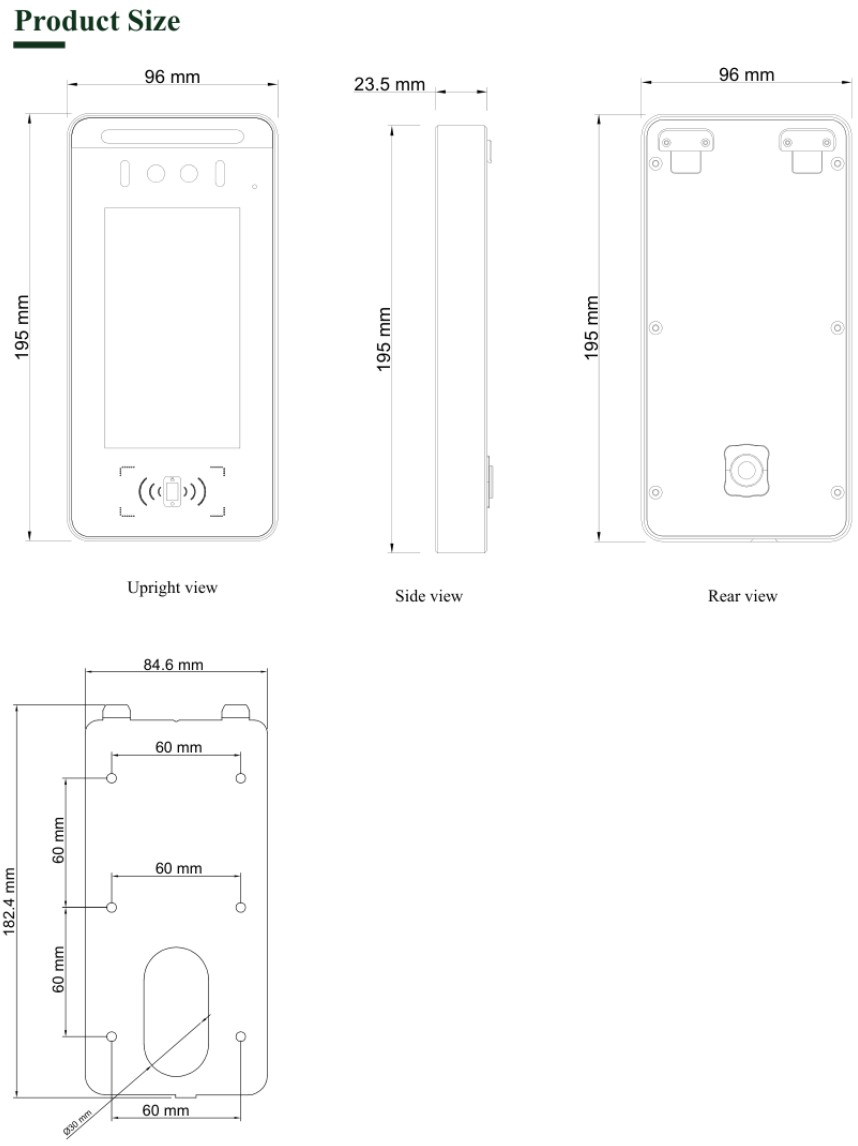
- Supports property payment, access-control intercom, parking, charging pile, elevator control, visitor and operation-management functions.
- Unified management of large-scale IoT devices with comprehensive cloud audio and video solutions.
- A unified platform supporting video intercom, face recognition, cloud access control, parking, elevator control and surveillance.
- Supports property repair, payment and other digital-property functions.
- Mature API integration services for smart community and park deployments.
- Cloud advertising management with secure distribution strategies such as breakpoint continuation.

Functional Notes

- Supports security capture and video information collection for entry and exit personnel.
- Fast recognition speed, high accuracy and low-power operation.
- Compatible with wall-mounting and column installation.
- Suitable for communities, parks, campuses, kindergartens and hospitals.

Product Dimensions

Dimensional drawing and mounting-board information for installation planning.



Dimension Summary

Overall size: 195 × 96 × 23.5 mm

Mounting board size: 182.4 × 84.6 mm

Hole spacing shown in the original drawing: 60 mm vertical / horizontal reference points and Ø30 mm opening.

Installation: wall-mounted / column installation compatible.