



## Key Differentiators

- **Fast Recognition in 0.3 seconds**
- **Advanced Anti Spoofing**
- **Face, Card, Password, QR code**
- **Standalone with free SW & Open API**
- **Compliant with GDPR**
- **Resistant to harsh environment**
- **Affordable for small business, with scalability up to 10,000 users**



*KJ TECH's next-generation Face Reader has revolutionized the industry with its advanced AI-powered technology, achieving an unprecedented accuracy rate of over 99.99% and recognition speeds 0.3~1 second. Here is a detailed overview of how KJ TECH Face Reader excels and improves upon existing products.*

### 1. Enhanced Recognition Speed and Accuracy

Powered by deep learning AI algorithms and achieving **recognition speeds of 0.3-1 second with over 99.99% accuracy** and significantly reduced False Acceptance Rate in diverse environments such as twin detection and different skin colors .

### 2. Environmental Stability

Equipped with **infrared (IR) and 3D depth sensors** ensures robust authentication performance regardless of ambient lighting conditions or user appearance changes such as glasses, masks, hats etc.

### 3. Enhanced Security Features

Protected by advanced security features including **3D depth mapping, IR sensors, and liveness detection to prevent spoofing attempts** using photos, videos, or 3D models.

### 4. Improved User Experience

Featured with **wide-angle lenses and AI-based tracking for recognition during natural movement** and user-friendly display design for intuitive authentication experience.

### 5. Advanced Data Processing and Privacy Protection

Protect privacy by **storing only encrypted biometric templates**, not facial images (compliant with international data protection regulations including GDPR).

### 6. Multiple Authentication Support

Supports multiple authentication methods including **facial recognition, card, password and QR** code for enhanced flexibility.

### 7. Installation and Maintenance

Supports **easy installation with remote software upgrades** and maintenance capabilities and self learning AI improves performance over time.



## DATASHEET

Category	FE-500L
CPU	2 core CPU
Memory	1GB RAM, 4G Flash
Users for Face	10,000
Users for RF ID	10,000
PASSWORD	YES
Comparison Model	1:1, 1:N, Multi Mode Authentication
Event Buffer	200,000
LCD	5" IPS Touch Screen
Camera	IR,RGB Dual lens camera
OS	LINUX
Function	Face+Card+Password+QR code
Power	12V / 400mA
Detection	Single / Multi
Face Read Range	Max 2M
Live Detection	Picture, Video, Mask
QR Code	YES
Communication	TCP/IP, WIFI (Option)
Speed	<1 sec (1:N, 10,000users)
Card	Mifare Only
Input Ports	2ea(exit, door sensor), 1ea(fire)
Output Ports	2ea(relay,wiegand)
Temperature	-20 °C~60 °C
Humidity	10~90%
Product Size	169mm x 90mm x 30mm (product) 260mm x 180 mm x 43mm (packing)
Product Weight	310g/520g
Certificate	CE, FCC, RoHS

### Product Specifications Disclaimer:

Specifications are subject to change without prior notice as a result of ongoing product innovation, component availability, and technological advancements. KJ TECH reserves the right to modify product features to maintain quality standards and optimize performance.