Connection Diagram

Standalone – LAN Cable

- TTA Program
- Option: DC 12V

Exit Button
Door Sensor
Lock
Relay

This Connection preferred for the non-secured system like as Time attendance system.

Standalone – WiFi Option

- TTA Program
- Option: DC 12V

Exit Button
Door Sensor
Lock
Relay
WiFi

Secured Access Control System

- ACU
- TTA Program
- Option: DC 12V

Exit Button
Door Sensor
Lock
Relay

Distributed Network System

- TTA Program
- Option: DC 12V

Exit Button
Door Sensor
Lock
Relay

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EF-45
NEXT GENERATION
IRIS AND FACE RECOGNITION TERMINAL

• Secure • Affordable • Convenient
General Features

• Next Generation Dual iris Imaging System
• Contactless face, Iris & RFID operation
• Dual iris and Face recognition in one second
• Intuitive "Selfie" color LCD Interface
• Automatic Camera Tilt at User Height
• Minimize the interference lighting condition
• Up to 3,000 users upgradeable to 40,000
• TCP/IP, RS-485/232, USB, Wiegand (4), TTL Inputs, WiFi optional

High-speed

The system is designed to offer a high-speed automatic capture with a capture time of less than 1 second from the time of being within the range.

Flexible

Designed with an auto tilting functionality which will intuitively and naturally carry the position by simply centering and sitting the image to fit in the frame based on one’s height.

Hygienic

EF-45 comes with a Touchless IRIS and face recognition technology which makes the system hygienic compared to other biometric devices in the market.

Accuracy

EF-45 offers the highest accuracy with FAR 0.01%.

Ultimate User Experience

EF-45 terminals comes packed with ultra-modern technology on par with those provided in the smartphones which enables smooth user interface and rich user experience.

Advanced Technology but Affordable

EF-45 is a unique and highly innovative iris recognition system with advanced mirror technology which is available at an affordable price.

Innovative, Intuitive Positioning

The person is instructed to simply make his or her face fit the positioning "guide box" to intuitively direct the person to move forward or back into the capture range.

Technical Specification

- Dimension: 6.5" x 6.5" x 1.7" (166mm x 166mm x 43mm)
- Weight: 650g(W)
- Power Input / Consumption: 12VDC, 3.5 Amps
- Status LED: Multi-Color Red, Green, Blue for Status and alarm Indication
- Iris Operating Range Indicator: "Selfie" LCD User Interface
- Voice indication: English standard
- Face & Iris Capture: Face: 30-50cm, Iris: 35-45cm
- Function Keys: User definable
- Touch Screen LCD: 4.95" 480x854 dots TFT
- User Capacity: Up to 30,000 users upgradeable to 40,000
- Pin Pad: On-Card, Screen by Touch
- Smart Card Reader: Mifare default
- Relay: x 1: One Dry Contact Relay
- External Media Device Connectivity: USB 2.0 Host
- Operating Temperature: 0°~ 40°
- Humidity: Up to 80%
- Head/face Camera Rotation Angle: +25° / -20°
- Communications: TCP/IP, RS-485/232, Wiegand In/Out, WiFi Optional
- Input: TTL x 2 inputs