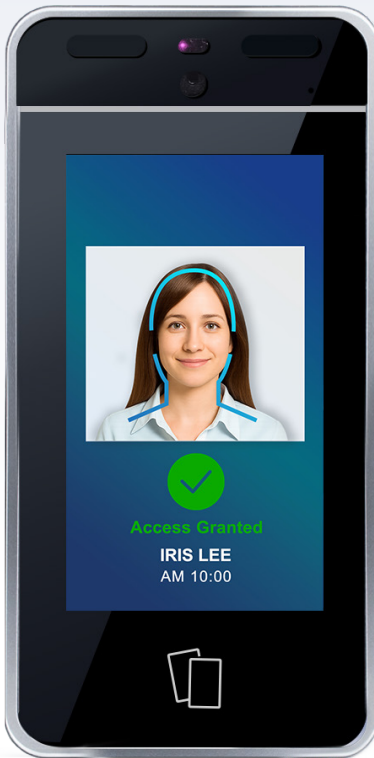


# HAC-990PEFA/PMFA

## Full Touch Screen Facial Recognition Access Controller



### Features

- Support storage and recognition of up to 10,000 facial data.
- Built-in face detection, 2D liveness detection, and face recognition are 3 core technologies to ensure accurate and secure recognition.
- 10,000 users, recognition time  $\leq$  1.5 seconds; 5,000 users, recognition time  $\leq$  1.2 seconds.
- Support mask detection, applicable to diverse environments and able to recognize people of all races worldwide.
- 5" color capacitive touch screen provides a user-friendly operating interface.
- Built-in 2M Pixel camera, provides QR Code scanning function.
- Large memory capacity; Support 150,000 cardholders and 300,000 events.
- Allow standalone operation and settings; Able to add cardholders authorizations.
- Provide 256 time zones and time schedules, 8 time conditional unlock door schedules (per week).
- Provide 32 working shifts and 32 siren outputs. LCD will display current shift and the device sound a siren. (Need to work with ACU-90)
- Provide 2 groups of holiday setting; each holiday group supports 100 holidays.
- Support swipe card and swipe card with pin codes entry modes.
- Case tamper detection and door ajar alarm.
- Adjustable Push Button, Door Sensor mode (NO/NC) and door sensor detection time.
- Support unique ID or Block read format and programmable key value. (Mifare model only).
- Built-in proximity detection function; Enable power saving in standby mode.
- Support conditional unlock door schedules; Set First Card rule to conditional unlock schedules.
- Able to connect T2/Weigand slave reader.
- Settable whether to store invalid card records.
- Blacklist and Duress setting functions.
- Built-in Web Server, no software installation is required. Able to control functions through the browser.

### Ordering Information

#### Package Content:

- Controller x 1
- Plate x 1
- Quick Start Guide x 1
- Accessory Pack x 1

#### Supported Software:

- HAMS Management System

#### Optional Accessories:

- AC-DC Adapter
- PSU-330 Uninterrupted Power Supply
- T2 / W26 / W34 Proximity Reader
- ACU-90 slave controller

### Specifications

Model No.	HAC-990PEFA	HAC-990PMFA
Read Format	EM ( 125 KHz )	Mifare (13.56 MHz )
Read Range	3cm above	3cm above
CPU	64 bit 4 Core Cortex-A53 + Cortex-M4	
Memory Capacity	16GB eMMC / 2GB LPDDR4	
Face Capacity	10,000	
Recognition Parameter	TAR 98.85%, FAR 0.001 %	
Cardholders	150,000	
Events	300,000	
Input Port	3 Sensors (Door Sensor x 1, Exit Button x 1, Case Sensor x 1)	
Output Port	Relay x 1; O.C. Output x 1 (For ACU-90); (Alarm /Door Bell/Siren, external ACU-90)	
LCD Display	5" Color LCD	
Video Input	2M Pixel CMOS Image Sensor	
Voice Input	MIC x 1	
Beep Tone	Buzzer x 1, Speaker x 1	
Slave Reader Interface	T2/W26/W34	
Real Time Clock	Yes	
Power Input	DC 12V / 2A (max, excluding slave reader)	
Comm. Interface	TCP/IP x 1; RS-485 x1	
Comm. Baudrate	RS-485: 9,600~19,200 bps-N-8-1 ; TCP/IP: 10/100 Mbps	
Operating Temp.	0°C~ 60°C / 32°F~ 140°F	
Relative Humidity	20% ~ 80% (Non-condensing)	
Dimensions (mm)	185 (L) x 92 (W) x 29 (H)	

\* Product design and specifications are subject to change without prior notice.

### System Architecture

