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## *Architect & Engineer Specification*

# **FACE006SR Facial & Smart Card Reader**

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### **1 Introduction**

The intent of this document is to describe the specification of FACE006SR facial recognition & proximity reader manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

### **2 Description**

FACE006SR Face & PIN, Smart Card Reader shall provide easy and versatile solution to access control. With facial recognition and built-in 13.56MHz smart card reader, it shall dynamically control up to 10,000 users. Combined with iTDC-SR or iCON100-SR controller, the FACE006SR shall provide easy yet secure access control solution.

### **3 Mechanical Specification**

- 3.1 The FACE006SR biometric reader shall measure 5.1" x 7" x 1.9" (130 x 187 x 54mm). FACE006SR shall arrive disassembled and contains following;
  - 3.1.1 A wall mounting plate
  - 3.1.2 The body that mounts to the wall mounting plate
- 3.2 The FACE006SR shall have a dark pearl gray body
- 3.3 The FACE006SR shall weight 600g (Packaged weight for shipping shall be 700g)

### **4 Electrical Specification**

- 4.1 The FACE006SR shall contain 32bit DSP and 16bit/8bit Microprocessor
- 4.2 The FACE006SR shall contain memory as following.
  - 4.2.1 Face Module shall have following memory
    - 4.2.1.1 Program memory of 32KByte EPROM
    - 4.2.1.2 Data memory of 64MByte Flash memory
  - 4.2.2 Controller part of FACE006SR shall have following memory
    - 4.2.2.1 Program memory of 256Byte Flash.
    - 4.2.2.2 Data memory of 512KByte SRAM.
- 4.3 The FACE006SR shall contain 122 x 32 pixel LCD.
- 4.4 The FACE006SR shall have a 16 key numeric Keypad.
- 4.5 The FACE006SR shall indicate its status through red, green, yellow LEDs and rainbow LED.
- 4.6 The FACE006SR shall have piezo buzzer for the beeper.
- 4.7 The FACE006SR shall contain internal speaker for voice command.
- 4.8 Dual temper switch shall be built in to the FACE006SR to provide safe operation.
- 4.9 The FACE006SR facial recognition smart card reader shall operate on 12V. Max 1A.

### **5 Face recognition Specification**

- 5.1 The FACE006SR shall include built in facial recognition module.
- 5.2 10,000 facial templates shall be stored in dual face templates for accurate recognition.
- 5.3 Dual face template size shall be 240bytes.
- 5.4 The FACE006SR shall include Built-in CCD camera with 230,000 pixels.

### **6 RFID reader Specification**

- 6.1 The FACE006SR shall include built-in 13.56Hz Mifare Smart Card reader.
- 6.2 Reading Range of FACE006SR shall be 4" (10cm).
- 6.3 13.56MHz smart card reader shall support ISO14443 Type A Smart Card Reader.



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## **7 Communication Specification**

- 7.1 FACE006SR shall support 34 bit Wiegand output to the controller.
- 7.2 The FACE006SR shall provide RS422, RS232 and optional TCP/IP communication.
- 7.3 The FACE006SR shall support baud rate of 4800bps, 9600bps(default), 19200bps, and 38400bps software programmable.

## **8 Environmental Specification**

- 8.1 Operating Temperature
  - 8.1.1 The FACE006SR shall operate temperature between 0 ° C ~ +40°C.
- 8.2 Operating Humidity
  - 8.2.1 The FACE006SR shall operate humidity between 10% ~ 90% RH(Non-condensing)

## **9 Certification and Approvals**

- 9.1 The FACE006SR shall have following certification
  - 9.1.1 FCC certification
  - 9.1.2 UL certification
  - 9.1.3 CE certification
  - 9.1.4 MIC certification

### **Technical Support Contact Information:**

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