



IDTECK Co., Ltd.

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Architect & Engineer Specification

FACE007P Facial & Proximity Access Controller

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1 Introduction

The intent of this document is to describe the specification of FACE007P facial recognition standalone access controller manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

2 Description

The FACE007P facial recognition standalone access controller shall provide total control of access control for single door. With facial recognition, it shall dynamically control up to 10,000 users / 20,000 Events. Anti-pass back operation shall be supported through external reader port. Combined with Starwatch Dual Pro software, the FACE007P shall provide easy yet secure access control solution.

3 Mechanical Specification

- 3.1 The FACE007P biometric reader shall measure 5.1" x 7" x 1.9" (130 x 187 x 54mm). FACE007P 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 FACE007P shall have a dark pearl gray body
- 3.3 The FACE007P shall weight 600g (Packaged weight for shipping shall be 700g)

4 Electrical Specification

- 4.1 The FACE007P shall contain 32bit DSP and 16bit/8bit Microprocessor
- 4.2 The FACE007P 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 FACE007P 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 FACE007P shall contain 122 x 32 pixels LCD.
- 4.4 The FACE007P shall have a 16 key numeric Keypad.
- 4.5 The FACE007P shall indicate its status through red, green, yellow LEDs and rainbow LED.
- 4.6 The FACE007P shall have piezo buzzer for the beeper.
- 4.7 The FACE007P shall contain internal speaker for voice command.
- 4.8 Dual temper switch shall be built in to the FACE007P to provide safe operation.
- 4.9 The FACE007P standalone unit shall operate on 12V. Max 1A.

5 Face recognition Specification

- 5.1 The FACE007P 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 FACE007P shall include Built-in CCD camera with 230,000 pixels.

6 Communication Specification

- 6.1 External reader port included in FACE007P shall supports 26 bit Wiegand communication.
- 6.2 The FACE007P shall provide RS422, RS232 and optional TCP/IP communication.
- 6.3 The FACE007P shall support baud rate of 4800bps, 9600bps(default), 19200bps, and 38400bps software programmable.
- 6.4 Input and Output as following shall be provided by the FACE007P.



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- 6.4.1 The FACE007P shall have 4 input ports (isolation).
- 6.4.2 The FACE007P shall have 4 output ports as following, 4 form-C relay (Com, NO, NC) Rating 2A.
- 6.4.3 The FACE007P shall have 2 video output (NTSC, PAL) with voice output.

7 Environmental Specification

- 7.1 Operating Temperature
 - 7.1.1 The FACE007P shall operate temperature between 0 ° C ~ +40 ° C.
- 7.2 Operating Humidity
 - 7.2.1 The FACE007P shall operate humidity between 10% ~ 90% RH(Non-condensing)

8 Certification and Approvals

- 8.1 The FACE007P shall have following certification
 - 8.1.1 FCC certification
 - 8.1.2 UL certification
 - 8.1.3 CE certification
 - 8.1.4 MIC certification

Technical Support Contact Information:

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