



IDTECK Co., Ltd.

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Architect & Engineer Specification

FACE006P Facial Recognition Reader

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1 Introduction

The intent of this document is to describe the specification of Face006 facial recognition reader manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

2 Description

FACE006P Facial Recognition Reader shall provide easy and versatile solution to access control. With facial recognition, it shall dynamically control up to 10,000 users. Combined with iTDC or iCON100 controller, the FACE006P shall provide easy yet secure access control solution.

3 Mechanical Specification

3.1 The FACE006P biometric reader shall measure 5.1" x 7" x 1.9" (130 x 187 x 54mm). FACE006P 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 FACE006P shall have a dark pearl gray body

3.3 The FACE006P shall weight 600g (Packaged weight for shipping shall be 700g)

4 Electrical Specification

4.1 The FACE006P shall contain 32bit DSP and 16bit/8bit Microprocessor

4.2 The FACE006P 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 FACE006P 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 FACE006P shall contain 122 x 32 pixel LCD.

4.4 The FACE006P shall have a 16 key numeric Keypad.

4.5 The FACE006P shall indicate its status through red, green, yellow LEDs and rainbow LED.

4.6 The FACE006P shall have piezo buzzer for the beeper.

4.7 The FACE006P shall contain internal speaker for voice command.

4.8 Dual temper switch shall be built in to the FACE006P to provide safe operation.

4.9 The FACE006P Facial recognition reader shall operate on 12V. Max 1A.

5 Face recognition Specification

5.1 The FACE006P 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 FACE006P shall include Built-in CCD camera with 230,000 pixels.

6 Communication Specification

6.1 FACE006P shall supports 26 bit Wiegand output to the controller.

6.2 The FACE006P shall provide RS422, RS232 and optional TCP/IP communication.

6.3 The FACE006P 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 FACE006P.

6.4.1 26bit Wiegand and ABA track II shall be supported by FACE006P



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6.4.2 The FACE006P shall have 2 video output (NTSC, PAL) with voice output.

7 Environmental Specification

7.1 Operating Temperature

7.1.1 The FACE006P shall operate temperature between 0 ° C ~ +40°C.

7.2 Operating Humidity

7.2.1 The FACE006P shall operate humidity between 10% ~ 90% RH(Non-condensing)

8 Certification and Approvals

8.1 The FACE006P 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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