

# FACE RECOGNITION DEVICE

## IDT FACE50K

### Verification



Face



Card



Password

### Features



Mask  
Detection



Live  
Detection



Cloud



WDR



Touch  
Screen



## FEATURES

- 7-inch IPS display, resolution 1024×600
- Features face mask detection and safety helmet detection
- Support face unlock, Fingerprint, IC card unlock, and password unlock; unlock by period
- With a face detection box; the largest face among faces that appear at the same time is recognized first; the maximum face size can be configured on the web
- 2MP wide-angle WDR lens; with auto/manual fill light
- Face-camera distance: 0.3 m–2.0 m; human height: 0.9 m–2.4 m
- With a face recognition algorithm, the access controller can recognize more than 360 positions on a human face
- Face verification accuracy > 99.5%; face comparison speed 0.35s per person; low falserecognition rate
- Support profile recognition; the profile angle is 0°–90°
- Support liveness detection
- Support duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, illegal card exceeding threshold alarm, and more
- Support general users, patrol users, VIP users, guest users, and the disabled users
- With 4 unlock status display modes

## VERIFICATION MODE & CAPACITY

|                      |          |
|----------------------|----------|
| User Capacity        | 50,000   |
| Face Capacity        | 50,000   |
| Password Capacity    | 50,000   |
| QR Capacity          | 50,000   |
| Card Capacity        | 50,000   |
| Fingerprint Capacity | 50,000   |
| Log Capacity         | 3,00,000 |

## SYSTEM

|                   |                           |
|-------------------|---------------------------|
| Screen Type       | Capacitive Touchscreen    |
| Display Screen    | 7 Inch LCD                |
| Screen Resolution | 600(H) X 1024(V)          |
| Main Processor    | Embedded Processor        |
| Network Protocol  | IPv4, TCP, RTSP, UDP, P2P |
| SDK & AP          | Support SDK               |

## COMMUNICATION

|                           |                     |
|---------------------------|---------------------|
| Web Configuration         | Yes                 |
| Peripheral Card Reader    | 1 RS-485, 1 Weigand |
| Real-Time Surveillance    | Yes                 |
| Remote Verification       | Yes                 |
| Multi-User Authentication | Yes                 |

## PERFORMANCE

|                                |             |
|--------------------------------|-------------|
| Face Recognition Height Range  | 0.9m - 2.4m |
| Face Recognition Distance      | 0.3m - 2.0m |
| Card Reading Distance          | 0cm-3cm     |
| Face Recognition Accuracy Face | >99.5%      |
| Recognition Time               | 0.2s        |
| Fingerprint Recognition Time   | 0.2s        |
| Read Speed (QR)                | 500ms       |

## PORT

|                       |                                                |
|-----------------------|------------------------------------------------|
| RS-485                | 1                                              |
| RS-232                | 1                                              |
| Wiegand               | 1 input/output                                 |
| USB                   | 1 × USB 2.0 port                               |
| Network Port          | 1 RJ45 10/100 Mbps self-adaptive ethernet port |
| Alarm Input           | 2 (Switch quantity)                            |
| Alarm Output          | 2 (Relay)                                      |
| Alarm Linkage         | Yes                                            |
| Exit Button           | 1                                              |
| Door Status Detection | 1                                              |
| Lock Control          | 1                                              |

## ALARM

|                                  |     |
|----------------------------------|-----|
| Anti-pass Back                   | Yes |
| Tamper Alarm                     | Yes |
| Duress Alarm                     | Yes |
| Door Sensor Timeout              | Yes |
| Intrusion                        | Yes |
| Illegal Card Exceeding Threshold | Yes |

## CAMERA

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Camera             | 2-MP CMOS camera                                             |
| WDR                | DWDR                                                         |
| Light Compensation | Auto white light Auto IR light                               |
| Voice Prompt       | Yes                                                          |
| Housing Material   | PC+ABS                                                       |
| Status Indicator   | 1 indicator light. Red: Error; Green: Normal; Blue: Working. |

## GENERAL

|                       |                                                                               |
|-----------------------|-------------------------------------------------------------------------------|
| Product Dimensions    | 218mm×118mm×24.2mm                                                            |
| Packaging Dimensions  | Controller packaging: 380mm×235mm×124mm<br>Protective case: 390mm×320mm×360mm |
| Power Supply          | Provided                                                                      |
| Power Supply Mode     | DC 12V, 2A                                                                    |
| Power Consumption     | 24W                                                                           |
| Working Temperature   | -20°C to +55°C                                                                |
| Working Humidity      | 0%RH – 90%RH (non-condensing)                                                 |
| Operating Environment | Indoor                                                                        |
| Gross Weight          | 0.67 Kg                                                                       |
| Installation Method   | Wall mounted, Turnstile mount, Floor Mount                                    |
| Sealing               | IP65                                                                          |

## ORDER INFORMATION

|             |              |
|-------------|--------------|
| Part Number | IDT.FACE.50K |
|-------------|--------------|

## APPLICATION AREA



Access Control



Staff Card



Car Parking



Payment



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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