

Facial Reader



A stand-alone or networkable reader that offers secure access free of tokens or cards.

The TDSi facial recognition reader utilises the unique shape of the human face to provide a highly secure, rapid, reliable and convenient method of controlling access to sensitive or restricted areas.

The reader can easily be added to existing or planned security and surveillance systems to maximise return on investment.

Store up to 500 users and verify identity in less than one second. The reader operates in virtually all light conditions with a False Acceptance Rate (FAR) of less than 0.0001%.

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DS0048_Issue 1

SPECIFICATIONS

TDSi Part No.	5012-0080
Processor	TI DM CPU 600MHz
User Capacity	500 Users
Record Capacity	200,000 Access Control Records
Recognition Algorithm	Dual Sensor TM V2.0
Sensor	Specialized double sensor
Verification Method	Facial Recognition, Card & Facial Recognition
Verification Speed	Less than 1 Second (500 Users)
Keyboard	4*4 Touch Keypad
LCD	3.5 inch TFT Color Screen, 65,000 Bright Color, 320*240 Resolution
Communication Method	Standard TCP/IP, USB Host
Power	12V DC, Working Current 500 mA
Environment Light	0-5000Lux
Working Distance	30-80cm
Working Temperature	0°C-40°C
Working Humidity	20% - 80%
Size	233* 74* 227 mm
Weight	905g
Installation Method	Wall Mounting
Security Image Capacity	4GB SD Card, 70,000 images
Card Recognition	EM card
Security Alarm	Tamper Alarm
Output for Access Control System	Standard Wiegand 26/34 output - Built-in relay
Certification	CE, FCC Class A, ROHS

ORDERING INFORMATION

Part Number: 5012-0080

Description: Facial Recognition Reader

FEATURES & BENEFITS

Embedded facial recognition system:

- Adopts an advanced Digital Signal Processing (DSP) technology providing high-performance matching on the reader
- Use stand-alone or in conjunction with an access control system

Accurate and Fast Identification

- Industry-leading Dual Sensor™ facial recognition algorithm. Offers a False Acceptance Rate (FAR) of <0.0001%
- Matches a user in less than 1 second

High Usability and Security

- Offers an enrolment failure rate of less than 0.00001%
- Stores over 150,000 event records and optional image storage of more than 70,000 images.

Reliable performance in different environments

- Uses alternative light sources for scanning the face
- The reader operates in all light conditions – even in complete darkness
- Proven with over 1 year of reliability testing in real-life conditions

Flexible I/O interfaces

- Internet Protocol-based. Enables direct connection to a LAN or WAN
- USB connection to allow user data to be uploaded or downloaded to a USB memory device
- Compatible with the majority of access control units through the industry-standard Wiegand interface

User friendly design

- 3.5 inch colour screen guides the user into the correct position for facial scanning
- True contactless biometric technology results in hygienic use

Other functions

- Single or dual factor authentication. Allows the face to be used with a PIN or an EM card
- Low power consumption – 12 Watts in normal operation, 5 Watts in standby mode



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