2D TERMINAL

Touch-based biometric terminal for high security and multi-functionality at point of access.

- Optical touch sensor, FBI certified
- Excellent identification performance
- Access Control, Time & Attendance (T&A)
- In- and outdoor use
- Flush or surface mount
- Identification or PIN-verification
- Small- and medium-sized user groups
- Personalizable touchscreen
- User-friendly operation and configuration
- Customer-specific modifications
- Stand-alone and network capability
- Vandalism resistant

TOUCH FINGERPRINTING

Terminals / Stations

USB
LAN / WAN
PC
Enroll Device

Terminals / Stations
## Touchless Biometric Systems AG

Rietbrunnen 2
8808 Pfäffikon SZ
Switzerland

**tbs@tbs-biometrics.com**

**www.tbs-biometrics.com**

---

### 2D TERMINAL

<table>
<thead>
<tr>
<th>Application</th>
<th>2D ENROLL</th>
<th>3D TERMINAL</th>
<th>2D EYE</th>
<th>2D EYE THERMAL</th>
<th>2D EYEL</th>
<th>2D TERMINAL</th>
<th>2D TERMINAL</th>
<th>2D STATION</th>
<th>2D MAIN</th>
<th>2D MAIN HOME</th>
<th>2D TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Control</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td></td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Time &amp; Attendance</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td></td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Civil / Criminal</td>
<td>☑</td>
<td></td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
<td></td>
<td>☑</td>
<td></td>
</tr>
</tbody>
</table>

### Sensor

- Touchless, 3D-Multiview
- 2D-Camera
- Thermal camera
- Optical Touch, FBI-certified
- Capacitive Touch
- Multispectral

### User Interface

- 9.0" Touchscreen
- 5.0" Touchscreen
- 3.5" Touchscreen
- RFID (a)
- PIN (a)
- Loudspeaker (a)
- Beeper (a)

### Biometrics

- Identifications (1:N)
- Verification (1:1)
- 1:N Database Size Limit 10'000²
- 1:1 Database Size Limit 10'000²
- FRR at FAR 1:100'000 <0.5%<0.5%
- Standalone Capability (a)

### Communication

- LAN (a)
- WLAN (a)
- Mobile (a)

### Interfaces

- RS 232 / RS 485 (OSDP)
- Wiegand (a)
- Relay Output (a)
- I/O (a)

### Security

- Liveness Detection (a)
- Multi-level Data Encryption (a)
- Template on Card (a)
- Anti-tampering / Silent Alarm (a)

### Conditions

- Input Supply Voltage DC 5V 9–30V 12V USB 9–30V
- Operation Temperature in C 0–60 20–60 0–45 0–45 0–60 20–60 20–60 20–60 20–60 20–60
- Humidity 10–90%

### Mounting

- Wall mount (a)
- Flush mount / Outdoor (a)
- Outdoor kit (a)

### Certifications

- CE (a)

---

1 - extendable
2 - inside of device
3 - extendable
4 - requires if not sheltered
5 - requires Bluetooth module and BM Mobile
6 - requires internal relay board
7 - Relay Type = "Normally open only"
8 - Supported bands:

---

*Figures and specifications are subject to change without notice.*