3D FLASH+

TBS

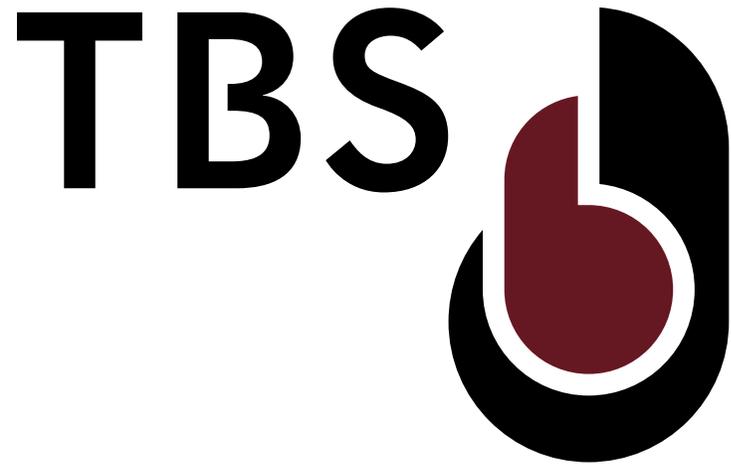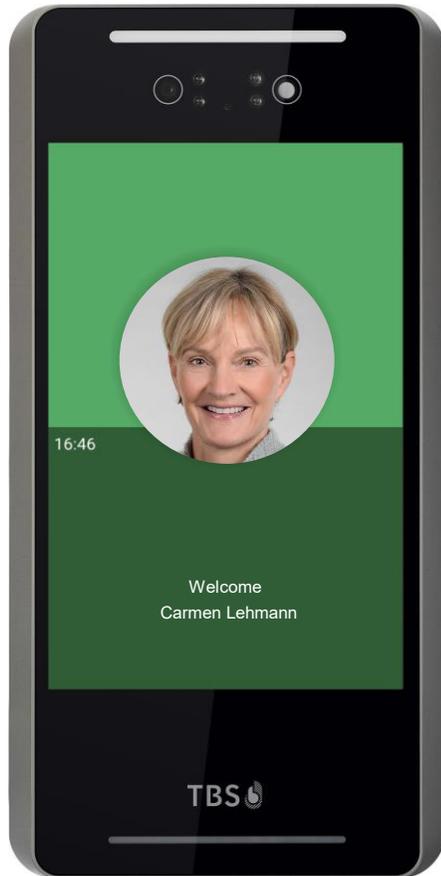Touchless Biometric Systems AG Switzerland
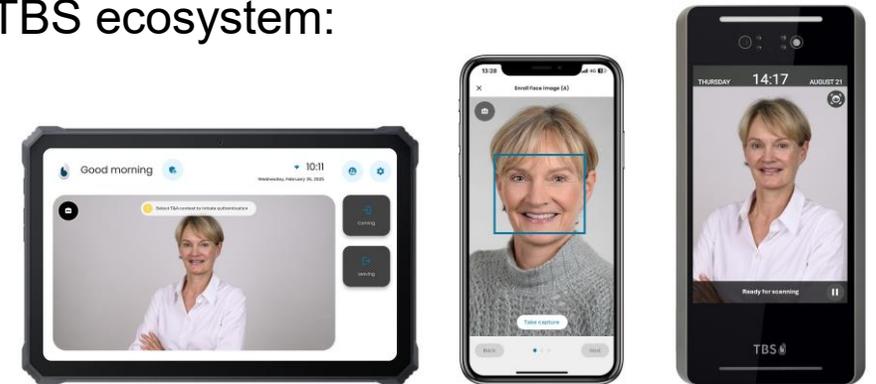
3D FLASH+

Welcome
Carmen Lehmann

3D FLASH+ is a fast & secure Face Reader for in- and outdoor applications

(1) Walk-trough face identification

(2) High speed < 1 second

(3) Recognition distance up to 4 m

(4) Up to 50'000 users

(5) 8-inch color touchscreen

(6) Powered by highly secure TBS firmware

(7) TBS Anti-spoofing protection

(8) PIN Code, QR Code

(9) Various RFID options

(10) Flexible combination of ID factors

(11) Easy setup of Time & Attendance buttons

(12) Versatile configuration and customizing (customer workflows, user interface)

Face enrollment possibilities of the TBS ecosystem:

(1) On device using touchscreen

(2) On device via remote control

(3) On tablet with TBS App

(4) On mobile phone with TBS App

(5) On desktop webcam

(6) Picture import from external sources

DATASHEET 3D FLASH+

TBS

TECHNICAL SPECIFICATIONS

Category	Feature	Standard	Optional
Biometric Sensor	Face Recognition	0.5 - 4m	
	Fingerprint 2D optical		•
ID Factors	PIN	•	
	RFID		•
	QR Code		•
User Interface	Touchscreen size	8″	
	Touchscreen Resolution	800 × 1280	
	Loudspeaker	•	
Biometrics	Identification (1:N) database limit	10'000	50'000
	FRR at FAR 1:100'000	< 2.0%	
Communication	LAN	•	
Interfaces	RS-485 (OSDP) / RS-232	1 / 1	
	Wiegand out	1	
	Relay (NO/NC/COM, max. 60V/30W)	2	
	GPIN / GPOUT	2	
Security	Presentation Attack Detection (PAD)	•	
	Tamper Switch	•	
Installation	Power supply rating	15-24 VDC	
	Max. power consumption	12 W	
	Operating temperature	-20 to 60 °C	
	Operating humidity	10 to 90%	
	Wall mount WM-Box (IP54), indoors	•	
Certifications	CE, FCC/IC, KC, BIS	•	

ACCESSORIES & FEATURES

Power supply and wall mounting plate included.

Hardware Extensions (optional):

- Integrated RFID reader
  HF: MIFARE Classic/DESFire, HID iCLASS, LEGIC
  LF: HID Prox, other formats on request
- Fingerprint Sensor Module (optical) compliant to other TBS fingerprint technologies and devices
- TBS CONTROLLER SMART+ with 4 relays, 4 GPIN, 4 GPOUT, RS-485 or LAN communication
- TBS CONTROLLER LITE with 2 relays, 2 GPIN/GPOUT, RS-485

Software Extensions (licensed):

- QR Code Reading: Power Package «Multi-Factor» required
- Extended Identification (1:N) limit with BIOMANAGER Premium Plan
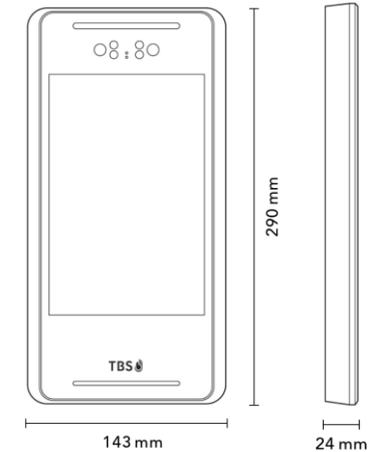
TBS System Security:

- Multi-level data encryption, with option to define a custom Template Encryption Key
- Protected communication channels (SSL) with option to use custom SSL certificates
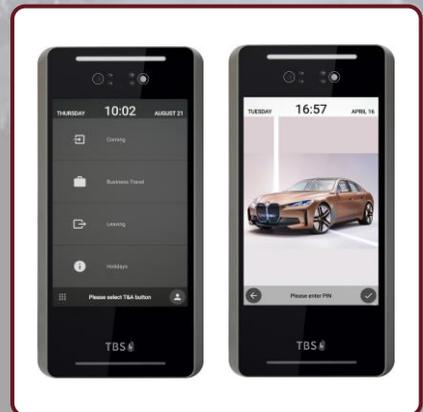
Seamless Integration:

- Device connects to TBS BIOMANAGER Server hosted On-Premise or in the TBS Cloud
- Flexible integration options
  - REST APIs on system and device level available
  - Enrollment integration into 3rd party software supported
- Flexible and versatile Enrollment Options: On-Device, Web enrollment from TBS BIOMANAGER, TBS Apps or external data import

DIMENSIONS

Wall mount

290 mm
143 mm
24 mm

CUSTOMIZING

MORE THAN JUST A READER

FIVE REASONS FOR YOUR CHOICE

(1) EUROPEAN COMPETENCE YOU CAN TRUST

Swiss perfection, German thoroughness and Czech ingenuity - built on integrity and reliability.

(2) TAILOR-MADE FOR DEMANDING CLIENTS

From the world's top-rated airport to the No.1 Department of Defence, TBS is the undisputed leader in bespoke solutions.

(3) ALL-IN-ONE PLATFORM

We deliver the full spectrum: multiple biometric technologies on one powerful platform, integrated with all major security providers.

(4) PARTNERSHIP BEYOND THE PROJECT

For us, winning a project is only the beginning. Long-term service & support is what truly separates the wheat from the chaff.

(5) THE VALUE OF A QUALITY INVESTMENT

More performance & flexibility – less risk

LET'S GET TO WORK

TBS

TBS BIOMETRICS
TRUST
SERVICES COMPETENCE
SPECIALIST FLEXIBILITY QUALITY
TERMINALS TERMINALS
HOSPITALITY TBS BIOMANAGER
SOFTWARE
TRUST QUALITY
TOP-REFERENCES SWISS TOUCHLESS
SWISS INTERGRITY
DURABILITY RELIABILITY SERVICES LONGTERM
TOUCHLESS
INTEGRITY SECURITY
MANUFACTURER COMPETENCE