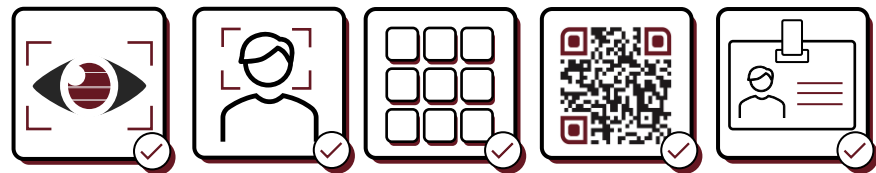


3D LIGHT+



3D LIGHT+

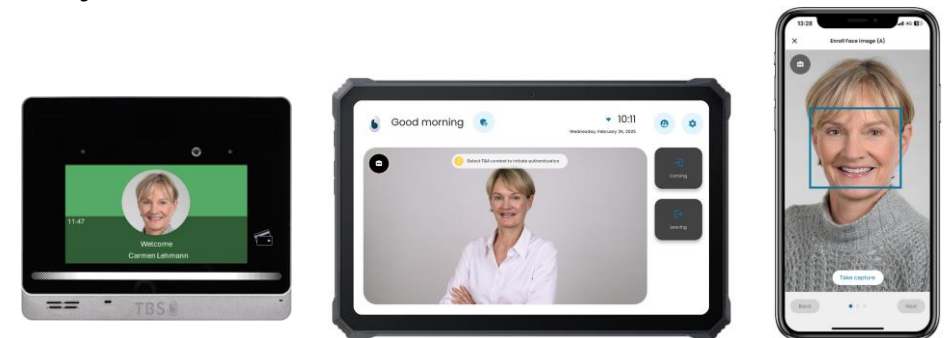
Iris and Face scanner for high security and accuracy in indoor applications



- (1) Iris scanner with highest recognition performance
- (2) Face recognition with high precision
- (3) Multi-modal authentication possible
- (4) Up to 50'000 users in 1:N mode
- (5) TBS Anti-spoofing protection
- (6) 5-inch color touchscreen
- (7) PIN Code, QR Code
- (8) In-built RFID reader for MIFARE cards
- (9) Verification using combined ID factors
- (10) Easy setup of Time & Attendance buttons
- (11) Versatile configuration and customizing (customer workflows, user interface)
- (12) Powered by highly secure TBS firmware

Iris enrollment possibilities in TBS ecosystem:

- (1) On device using touchscreen
- (2) On device via remote control
- (3) Automatic mode to trigger iris enrollment through existing face data



DATASHEET 3D LIGHT+



TECHNICAL SPECIFICATIONS

Category	Feature	Standard	Optional
Biometric Sensors	Iris Recognition	40 - 70 cm	
	Face Recognition	50 - 100 cm	
ID Factors	PIN	•	
	RFID MIFARE (others optional)	•	(•)
User Interface	QR Code		•
	Touchscreen size	5"	
	Touchscreen Resolution	854 × 480	
Biometrics	Loudspeaker	•	
	Identification (1:N) database limit	10'000	50'000
Communication	FRR at FAR 1:100'000	< 0.5%	
	LAN	•	
Interfaces	RS-485 (OSDP) / RS-232	1 / 1	
	Wiegand out	1	
	Relay (NO/NC/COM, 60V/30W)	1	
	GPIN	4	
Security	Tamper Switch	•	
Installation	Power supply rating	12 - 24 VDC	
	Max. power consumption	25 W	
	Power over Ethernet (PoE+)	•	
	Operating temperature	-20 to 50 °C	
	Operating humidity	10 to 90%	
	Wall mount Box (IP30), indoors	•	
Certifications	CE, FCC, ISO 9001, IEC 62471	•	

ACCESSORIES & FEATURES

Power supply and wall mounting plate included.

Hardware Extensions (optional):

- Integrated RFID reader for MIFARE Classic/DESFire can be replaced by
HF: HID iCLASS
LF: available, format support on request
- 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: Power Package «Multi-Factor» required
- Extended Identification (1:N) limit with BIOMANAGER Premium Plan

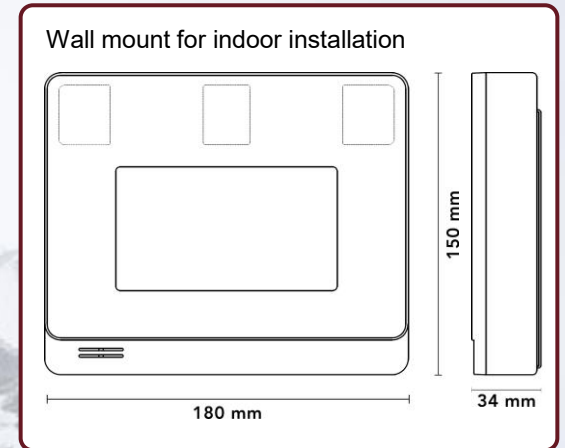
TBS System Security:

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

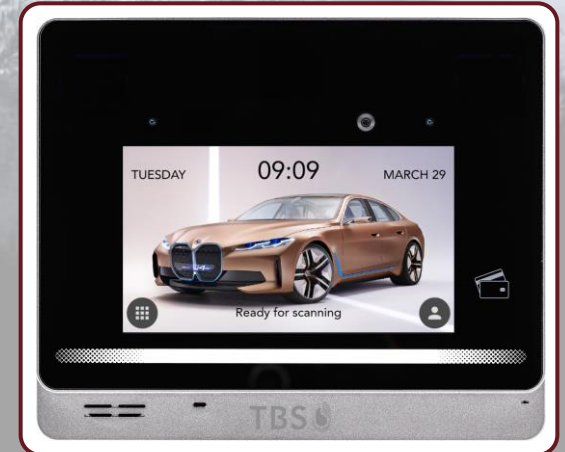
Seamless Integration:

- 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, Face via TBS Apps or external data import

DIMENSIONS



CUSTOMIZING

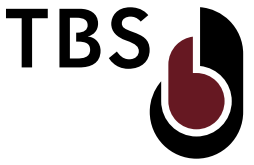


Touchless Biometric Systems AG

06/2026

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



TRUST BIOMETRICS
SERVICES **COMPETENCE**
SPECIALIST FLEXIBILITY QUALITY
HOSPITALITY **T** **TERMINALS**
TRUST **B** BIOMANAGER
TOP-REFERENCES **S** SOFTWARE
SWISS **QUALITY**
DURABILITY TOUCHLESS RELIABILITY SERVICES **LONGTERM**
INTEGRITY SECURITY
MANUFACTURER COMPETENCE

