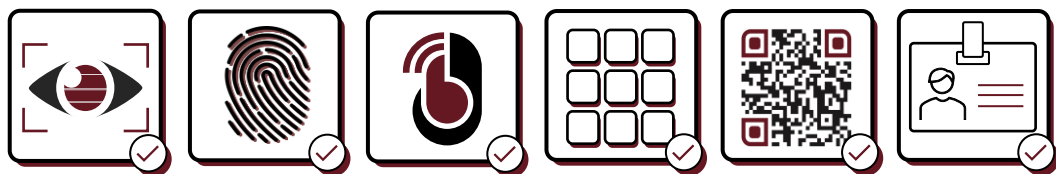


3D LIGHT



Iris scanner for high security and accuracy - extendable with fingerprint module or body temperature sensor.

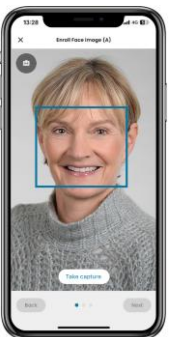
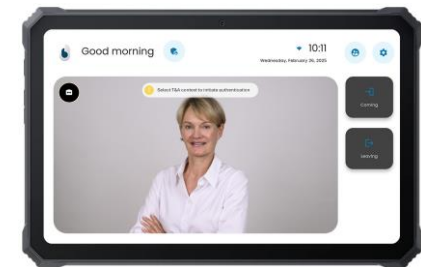
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- (1) Iris scanner with superior recognition performance
- (2) Anti-spoofing protection
- (3) Supports Face detection
- (4) Optional Fingerprint Sensor
- (5) Up to 50'000 iris users
- (6) 5-inch color touchscreen
- (7) PIN Code, QR Code, Mobile ID
- (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 TBS firmware

Iris enrollment options in TBS ecosystem:

- (1) On device using touchscreen
- (2) On device using 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	•	
	Face Detection	•	
	Fingerprint (multispectral)		•
ID Factors	PIN	•	
	RFID MIFARE (others optional)	•	(•)
	QR Code		•
	TBS MobileID (Bluetooth)		•
User Interface	Touchscreen size	5"	
	Touchscreen Resolution	854 × 480	
	Loudspeaker	•	
Biometrics	Identification (1:N) database limit	10'000	50'000
	FRR at FAR 1:100'000	< 0.5%	
Communication	LAN	•	
	Wifi or Bluetooth		•
Interfaces	RS-485 (OSDP) / RS-232	1 / 1	
	Wiegand out	1	
	Relay (NO/NC/COM, max. 60V/30W)	1	
	GPIN / GPOUT	2 / 0	
Security	Tamper Switch	•	
Installation	Power supply rating	12 - 24 VDC	
	Max. power consumption	16 W	
	Operating temperature	0 to 45 °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):

- Fingerprint Sensor Module (USB, multispectral) compliant to other TBS fingerprint technologies and devices
- Thermal Sensor Module (USB) to scan body temperature. Users with temperature above configurable threshold will be rejected.
- Wifi or Bluetooth via USB dongles  
Note: only one of the above four USB extensions can be used
- TBS Door Controllers:  
CONTROLLER LITE (2 relays, 2 GPIN/GPOUT, via RS-485)  
CONTROLLER SMART+ (4 relays, 4 GPIN, 4 GPOUT, via RS-485 or LAN)

### Software Extensions (licensed):

- TBS MobileID or QR Code: Power Package «Multi-Factor» required
- Presentation Attack Detection (Live Finger Detection):  
Power Package «High Security» required
- Extended Identification (1:N) limit with BIOMANAGER Premium Plan

### TBS System Security:

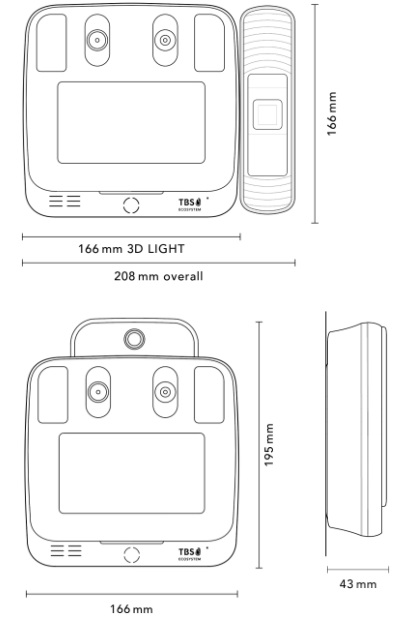
- Multi-level data encryption, with option to define a custom Template Encryption Key
- Protected communication channels (SSL) with option to use custom SSL certificates

### Seamless Integration:

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

## DIMENSIONS

Wall mount for indoor installation



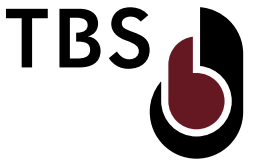
## CUSTOMIZING



Touchless Biometric Systems AG 11/2025

# 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 bio-metric 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 TERMINALS  
TRUST SOFTWARE  
TOP-REFERENCES SWISS QUALITY  
SWISS INTERGRITY TOUCHLESS  
DURABILITY RELIABILITY SERVICES LONGTERM  
TOUCHLESS SECURITY  
MANUFACTURER COMPETENCE

