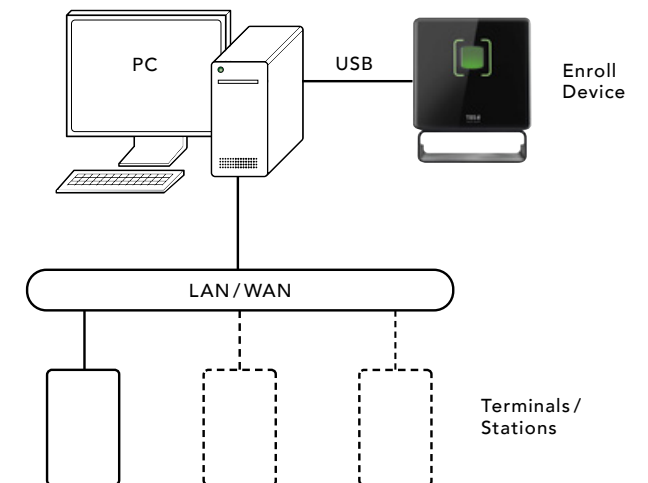


TOUCHLESS
FINGERPRINTING

3D ENROLL

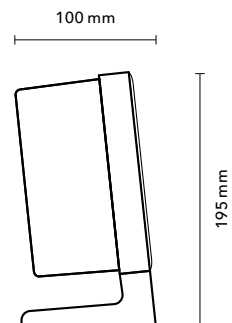
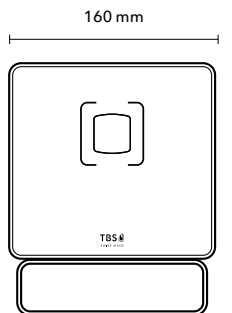
Three-dimensional and contact-free sensor for enrollment and generation of templates in connection with a PC.

- 3D touchless technology
- Access Control, T&A, Civil ID
- Highest security level
- No "Failure to Enroll"
- Superior image quality
- Nail-to-nail images
- Quality assessment and duplicate check
- Identification for large databases
- Hygienic for sensitive applications





3D
ENROLL



Touchless Biometric Systems AG
Rietbrunnen 2
8808 Pfäffikon SZ
Switzerland
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www.tbs-biometrics.com

		3D ENROLL	3D TERMINAL	2D ENROLL	2D TERMINAL	2D STATION	2D MINI	2D MINI HOME	1D TERMINAL	1D CARD STATION	SMART CONTROLLER
Applications	Access Control	•	•	•	•	•	•	•	•	•	•
	Time & Attendance	•	•	•	•	in/out	in/out		•	in/out	
	Civil/Criminal	•		•							
Sensor	Touchless, 3D-Multiview	•	•								
	Optical Touch, FBI-certified			•	•	•	•	•			
User Interface	5.0" Touchscreen		•								
	3.5" Touchscreen				•				•		
	RFID		(•)		(•)	•			•	•	
	PIN		•		•				•		
	Camera		(•)								
	Loudspeaker		•								
	Beeper					•	•	•	•	•	
Biometrics	Identification (1:N)		•		•	•	•	•			
	Verification (1:1)		•		•	•					
	1:N Database Size Limit		10'000 ¹		5'000	5'000	1'000	1'000	100'000	100'000	
	1:1 Database Size Limit		100'000		100'000	100'000	100'000	100'000	100'000	100'000	
	FRR at FAR 1:100'000		<0.5%		<2%	<2%	<2%	<2%	0%	0%	
	Standalone Capability		•		•	•	•	•	•	•	
Communication	LAN		•		•	•	•	•	•	•	
	WLAN		(•)		(•) ²	(•) ²	(•) ²	(•) ²	(•) ²	(•) ²	
	USB	•		•							
Interfaces	RS 232 / RS 485		•		•	•	•	•	•	•	•
	Wiegand		•		•	•	•	•	•	•	•
	Relay Output		(2)		1	1	1	1	1	1	2
	I/O		(1/1)								2/2
Security	Liveness Detection	(•)	(•)								
	Multi-level Data Encryption		•		•	•	•	•	•	•	
	Template on Card		(•)		(•)	(•)					
	Anti-tampering / Silent Alarm		(•)		(•)	(•)	(•)	(•)	(•)	(•)	
Conditions	Input Supply Voltage DC	5V	9-30V	USB	9-30V	9-30V	9-30V	9-30V	9-30V	9-30V	9-30V
	Max. Power Rating	20W	25W		15W	10W	10W	10W	10W	10W	5W
	Operating Temperature in °C	0-60	-20-60	0-60	-20-60	-20-60	-20-60	-20-60	-20-60	-20-60	0-60
	Humidity 10-90%	•	•	•	•	•	•	•	•	•	•
Mounting	Wall mount ³		•		•	•			•	•	•
	Flush mount / Outdoor ³		•		•	•	•	•	•	•	
	Outdoor kit ³		(•) ⁴		(•) ⁴	(•) ⁴	(•) ⁴	(•) ⁴	(•) ⁴	(•) ⁴	
Certifications	CE	•	•	•	•	•	•	•	•	•	•

() = optional

1 = extendable

2 = outside of device

3 = all devices must be protected against direct sunlight

4 = required if not sheltered