

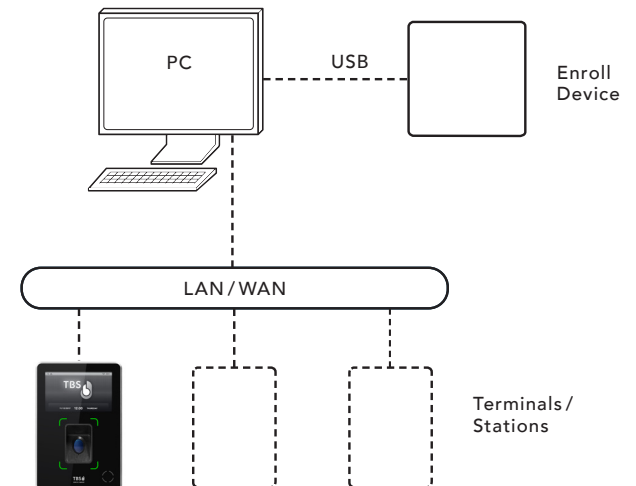


MULTISPECTRAL  
FINGERSCANNING

## 2D+ TERMINAL HEAVY DUTY

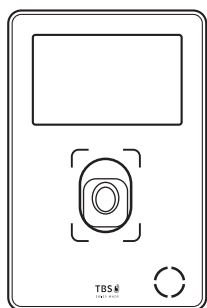
Waterproof and dustproof TBS-housing for harsh environmental conditions with world's best touch sensor for highest security and multifunctionality at point of access.

- Waterproof and dustproof housing (IP65)
- Multispectral sensor V-Series
- Access Control, Time and Attendance (T&A)
- Excellent liveness detection / spoof prevention
- Designed for harsh environments
- In- and outdoor use
- Surface mount
- Superior identification performance
- Identification or verification
- Small- and large-sized user groups
- Personalizable touchscreen
- Variable configuration and customizing
- Various RFID Options
- Stand-alone and network capability
- POE available



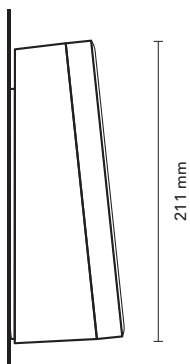


**2D+ TERMINAL  
HEAVY DUTY**



140 mm

Wall mount



211 mm

85.6 mm

Touchless Biometric Systems AG  
Rietbrunnen 2  
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Switzerland  
tbs@tbs-biometrics.com  
www.tbs-biometrics.com

		3D TERMINAL	2D EYE	2D+ TERMINAL	2D TERMINAL HEAVY DUTY	2D TERMINAL	2D STATION	2D MINI	2D MINI/HOME
	1 = extendable (*) <sup>2</sup> = outside of device 3 = extendable (*) <sup>4</sup> = required if not sheltered								
	* <sup>5</sup> = Requires Bluetooth module and BM Mobile (2) <sup>6</sup> = Requires internal relay board (1) <sup>7</sup> = Relay Type – 'Normally open only'								
Applications	Access Control	•	•	•	•	•	•	•	•
	Time & Attendance	•	•	•	•	•	in/out	in/out	
	Civil / Criminal								
Sensor	Touchless, 3D-Multiview	•							
	2D-Camera		•						
	Optical Touch, FBI-certified					•	•		
	Capacitive Touch							•	•
	Multispectral			•	•				
User Interface	7.0" Touchscreen								
	5.0" Touchscreen	•	•	•	•				
	3.5" Touchscreen					•			
	RFID	(*)	•	(*)	(*)	(*)	•		
	PIN	•	•	•	•	•			
	Loudspeaker	•	•	•	•				
	Beeper					•	•	•	•
Biometrics	Identifications (1:N)	•	•	•	•	•	•	•	•
	Verification (1:1)	•	•	•	•	•	•	•	•
	1:N Database Size Limit	10'000 <sup>1</sup>	10'000	10'000 <sup>1</sup>	10'000 <sup>1</sup>	5'000	5'000	5'000	5'000
	1:1 Database Size Limit	100'000	100'000	100'000	100'000	100'000	100'000	100'000	100'000
	FRR at FAR 1:100'000	<0.5%	<0.5%	<1.0%	<1.0%	<2.0%	<2.0%	<2.0%	<2.0%
	Standalone Capability	•	•	•	•	• <sup>5</sup>	• <sup>5</sup>	• <sup>5</sup>	• <sup>5</sup>
Communication	LAN	•	•	•	•	•	•	•	•
	WLAN	(*)	(*)	(*)	(*)	(*) <sup>2</sup>	(*) <sup>2</sup>	(*) <sup>2</sup>	(*) <sup>2</sup>
Interfaces	RS 232 / RS 485 (OSDP)	•	•	•	•	•	•	•	•
	Wiegand	•	•	•	•	•	•	•	•
	Relay Output	(2) <sup>6</sup>	1	2	2	(1) <sup>7</sup>	(1) <sup>7</sup>	(1) <sup>7</sup>	(1) <sup>7</sup>
	I/O	(1/1)	2/-	2/2	2/2				
Security	Liveness Detection	(*)	(*)	(*)	(*)				
	Multi-level Data Encryption	•	•	•	•	•	•	•	•
	Template on Card	(*)	(*)	(*)	(*)	(*)	(*)		
	Anti-tampering / Silent Alarm	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Conditions	Input Supply Voltage DC	9-30V	12V	9-30V	9-30V	9-30V	9-30V	9-30V	9-30V
	Max. Power Rating	25W	36W	15W	15W	15W	10W	10W	10W
	Operation Temperature in C	-20-60	0-45	-20-60	-20-60	-20-60	-20-60	-20-60	-20-60
	Humidity 10-90%	•	•	•	•	•	•	•	•
Mounting	Wall mount <sup>(3)</sup>	•	•	•	•	•	•		
	Flush mount / Outdoor <sup>(3)</sup>	•		•		•	•	•	•
	Outdoor kit <sup>(3)</sup>	(*) <sup>4</sup>				(*) <sup>4</sup>	(*) <sup>4</sup>	(*) <sup>4</sup>	(*) <sup>4</sup>
Certifications	CE	•	•	•	•	•	•	•	•