



3D LIGHT



Hands-free biometric terminal with iris identification coupled with face detection for a faster and smoother user experience. To match today's health challenges, face mask can be checked before granting access.

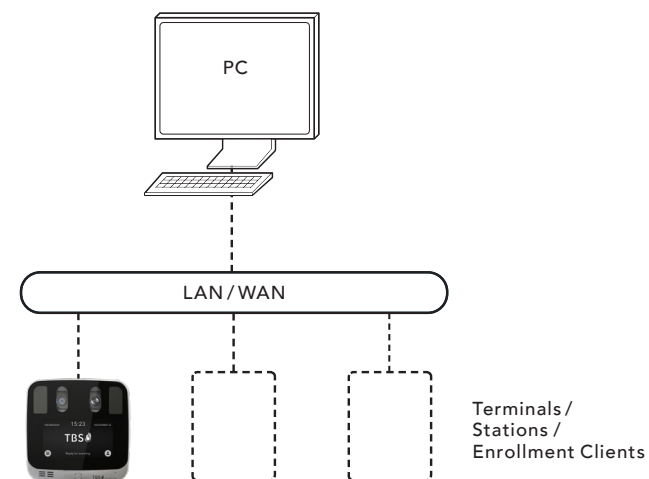
- Iris technology with superior recognition
- High security access and time & attendance
- Including RFID module for Mifare Classic/DesFire
- Identification or verification with PIN or card
- For sensitive applications with face mask detection
- Small to large user groups
- Wall mount option (includes wall mount bracket)
- Indoor installation
- Enrollment on terminal
- Personalizable touchscreen
- Variable configuration and customizing
- Including power supply 15 VDC with mains cable
- Optional thermal sensor for body temperature



tbs-biometrics.com



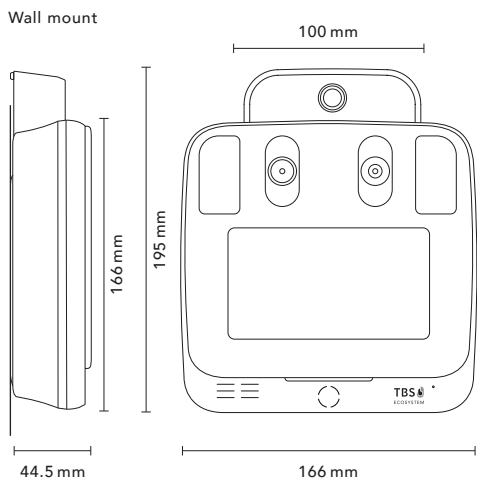
Thermal Sensor Module



Terminals / Stations / Enrollment Clients



3D LIGHT with optional thermal sensor



THERMAL SENSOR SPECIFICATIONS

Thermal sensitivity	<50mK (+/- 0.05 °C)
Calibration	Automatic at startup
Temperature alarm	Configurable per reader, 0.1 °C
Thermal imaging	Displayed on LCD of 3D LIGHT
Digital & power connection	USB (internal)
Certifications	CE, FCC, KC
Operating temperature	15 to 35 °C
Waterproof	Yes
Comment	Incompatible with WiFi dongle

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- 1 = Extendable by license. Figure indicates single fingerprints, iris pairs or hands
- 2 = Indoor use only
- 3 = Mifare Classic/Desfire only
- (*) = Required if not sheltered
- (*) = Optional, accessory or license needed
- (2)⁵ = Requires internal RelayBoard
- 6 = Supported bands:
 LTE FDD: B1/B3/B7/B8/B20/B28A
 WCDMA: B1/B8, GSM: B3/B8
- 7 = Either/or, specify RS type upon order

		3D ENROLL	2D ENROLL	3D FLY	3D AIR	3D LIGHT	2D IRON HD	2D IRON	2D SENSE	2D TIME	2D MOVE	TBS EDGE
Applications	Access Control			•	•	•	•	•	•			•
	Time & Attendance, Workforce Management			•	•	•	•	•	•	•	•	
Sensor	Touchless 3D+ hand scanner			•								
	Touchless 3D finger scanner	•			•							
	Touchless iris scanner					•						
	Multispectral optical finger		compatible				•	•				
	Capacitive touch finger		•						•	•	•	
	Thermal camera					(•)						
User Interface	Touchscreen size in inch			7.0	5.0	5.0	5.0	5.0	3.5	9.0	7.0	
	RFID				(•)	• ³	(•)	(•)	(•)		• ³	
	PIN			•	•	•	•	•	•	•	•	
	Loudspeaker			•	•	•	•	•				
	Beeper								•			
Biometrics	Identification (1:N), database size limit ¹		10'000	10'000	10'000	10'000	10'000	10'000	5'000	5'000	5'000	special
	Verification (1:1), database size limit		100'000	100'000	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%	<0.5%	<0.5%	<1.0%	<1.0%	<2.0%	<2.0%	<2.0%	
Communication	LAN			•	•	•	•	•	•	•		•
	Wifi				(•)	(•)	(•)	(•)	(•)	•	•	
	Mobile ⁶									•	•	
Interfaces	RS-232 and RS-485			•	•	•	•	•	• ⁷			•
	Wiegand out			•	•	•	•	•	•			•
	Relay (NO/NC selectable)			2	(2 ⁵)	1	1	1	1			2
	GPIN/GPOUT			2/2	(1/1 ⁵)	2/0	2/2	2/2	3/1			2/2
Security	Liveness detection				(•)		(•)	(•)				
	Multi-level data encryption			•	•	•	•	•	•	•	•	•
	Template on card				(•)	(•)	(•)	(•)	(•)			
	Anti-tampering				(•)		•	•	(•)			
Installation	Input supply voltage DC	5	USB	24	12-24	12-15	12-24	12-24	12-24	12	USB	12-24
	Max. power rating in W	16		225	18	16	10	10	5	10		15
	Power over Ethernet				(PoE+)	(PoE+)	•	•	•	(•)		(PoE+)
Conditions	Operating temperature in °C	0 to 60	0 to 60	0 to 45	-20 to 60	0 to 45	-20 to 60	-20 to 60	-20 to 60	0 to 35	0 to 35	0 to 45
	Humidity 10-90%	•	•	•	•	•	•	•	•	•	•	•
Mounting	Wall mount				• ²	• ²	IP65	• ²	• ²	• ²	(•) ²	• ²
	Flush mount (IP54)				(•)			(•)	(•)			
	Outdoor protection kit				(•) ⁴				(•) ⁴			
Certifications	CE	•	•	•	•	•	•	•	•	•	•	•
	FCC/IC			•		•	•	•	•			•