TBS
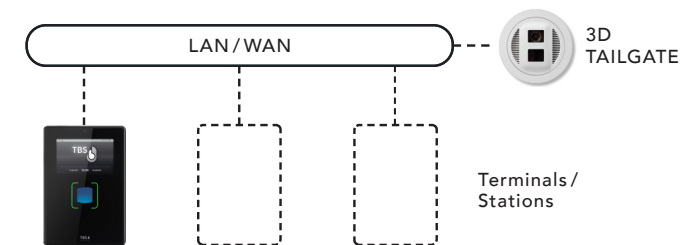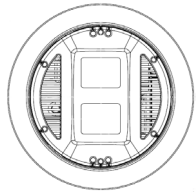
3D
TAILGATE

- Tailgate detector – efficient Security Staff Support
- High Accuracy – detects people and objects
- Reliability in changing light conditions
- Embedded software with sensor management tool
- Semi-automatic calibration
- Digital I/O Module with 7 DI and 8 DO
- Audible feedback for confirmation and alerts
- Self-diagnostics
- Data Logging
- Easy installation
- Seamless integration into TBS Ecosystem
- Supervises early alarm zone and main alarm zone around objects
- Superuser mode to bypass during special events
- Anti-tamper detection (field of view & network connection)

LAN / WAN

3D
TAILGATE

Terminals /
Stations

TBS

3D TAILGATE

3D Tailgate Sensor with housing

186 mm

70 mm

150 mm

3D Tailgate Sensor

60 mm
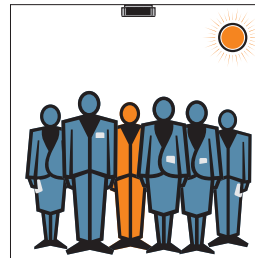
138 mm

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

Mounting height	2.0 to 3 m
Maximum detection area at virtual gate	2.8 m × 1.1 m to 3.8 m × 1.6 m
Maximum detection area in mantrap	3.6 m × 1.9 m to 4.6 m × 2.5 m
Field of view/illumination	90° × 60°
Type of illumination	Modulated near infrared light (NIR)
Weight	0.8 kg (3D Tailgate Sensor) + 0.16 kg (Design Housing)
Dimensions of the Core Housing	W 138 mm × H 60 mm
Dimensions of the Design Housing	150 mm (integration cutout diameter), 186 mm (outside rim diameter), 70 mm (height)
Operational temperature range	−20°C to +50°C
Enclosure rating (device with fan)	IP 30
Supply voltage range	24 V DC ± 15%
Power consumption max	1.0 A at 24 V DC
Core housing material	Polymer

VIRTUAL MANTRAP MODE
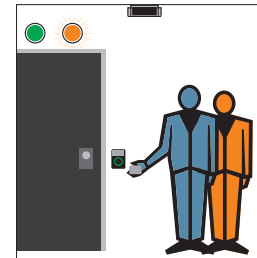
NO DOOR

ONE DOOR

REAL MANTRAP MODE

TWO DOORS

ENTRY / EXIT READERS
- Generates an alert if a person without ID transits.

PASSIVE RFID
- Counts the number of people in the detection area.
- Generates an alert if a person without ID enters the detection area.
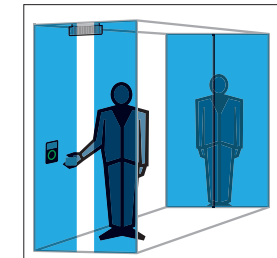- No credit allocation.

HIGH SECURITY STRATEGY
- One person at a time.
- The door is locked if more than one person is detected in the field of view.

HIGH THROUGHPUT
- Generates an alert if a person without ID enters or exits.
- Crowding is allowed.

SINGLE PERSON TRANSFER
- Outputs "empty", "one person" or "suspicious".

MULTIPLE PERSON TRANSFER
- Counts the number of people present in the mantrap. This nmber is checked by an external logic against the number of credits.