



Ensure the people density of shops, buildings and other defined indoor areas remains at a level where social distancing measures can be maintained while complying with any laws and health obligations resulting from COVID-19.

Terabee People Counting L-XL devices monitor entrances and exits in shops and other buildings, counting the number of people entering and exiting the premises. A local gateway collects the data, takes the people density threshold data you set and sends outputs to trigger screens or other visual indicators (not supplied) informing when more people can enter, or when they must wait before entering. In this way, you can ensure your premises run at optimal efficiency, whilst respecting social distancing requirements.

Key features

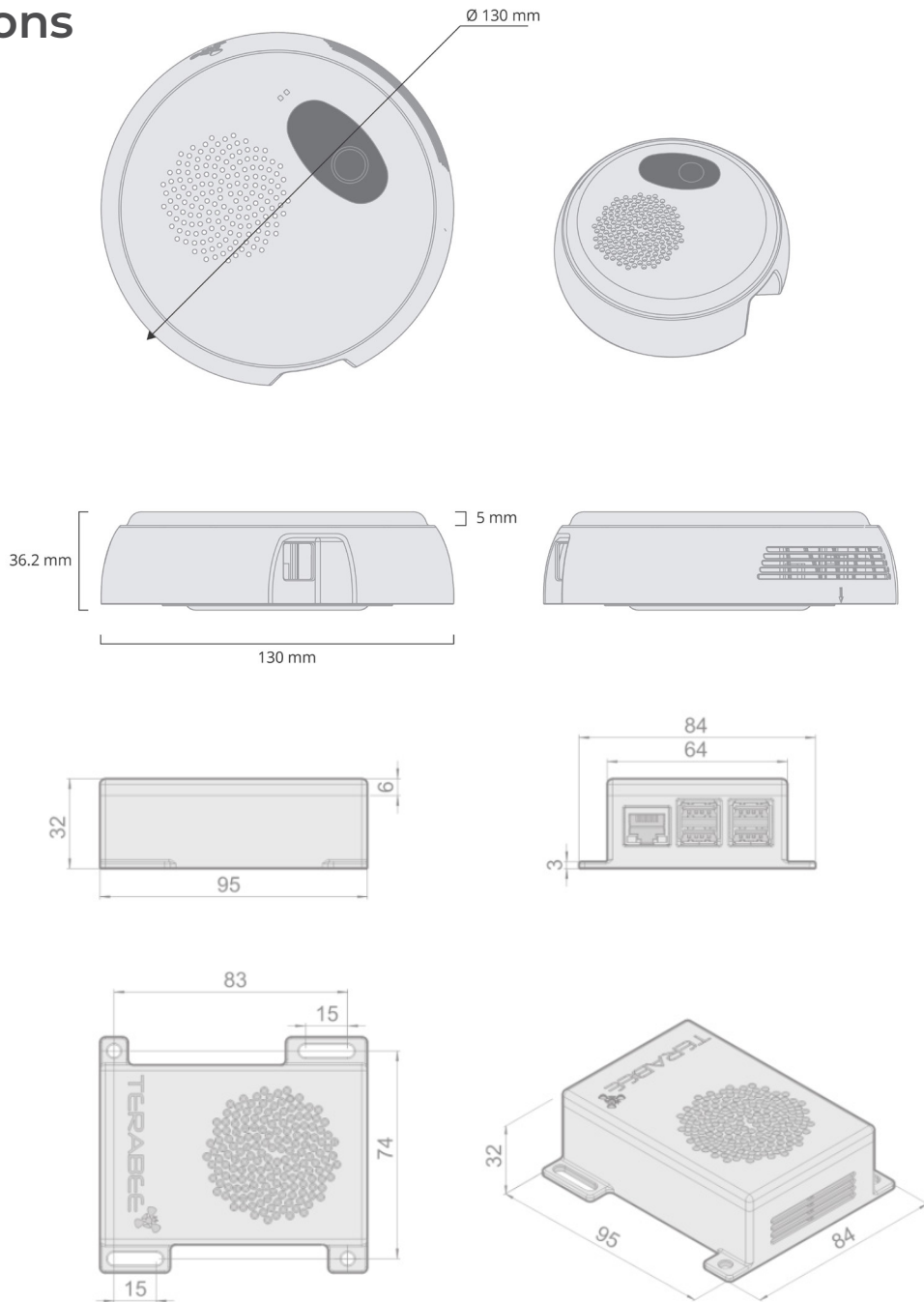
- GDPR compliant. Zero concerns about personal privacy protection regulations
- Based on a 3D depth sensor (No camera used - total privacy!)
- Easy to install and configure through a Web GUI
- Works in the dark and low-light conditions
- Powered directly from the network cable
- Remote device management and firmware updates (if internet connectivity is available)
- Can be deployed on multiple entries and exits
- In accordance with the sanitary and health regulations by regulating the density of people with warning signs
- Run locally and "off the grid"
- Local Gateway ready to be connected with your visual signage solution

Technical specifications

Product code	TB-PDC-W TB-PDC-B	
Performance		
Technology	Terabee People Counting L-XL	Local Gateway
Field of View	Infrared Time-of-Flight depth sensor	-
Max number of devices supported	74° x 57°	-
Multi-devices for wide passageways	-	10 devices and more
Installation height range	Yes. Up to 5 devices	-
Use environment	From 2.4 m up to 4.0 m	-
Counting accuracy	Indoor	Indoor
	98% ⁽¹⁾	-
Electronics		
Power source	RJ45 (PoE IEEE 802.3af)	RJ45 (PoE IEEE 802.3af)
Power consumption	10 W average	10 W
LED indicators	Two LEDs	-
Initialization time	Approx. 1 min	Approx. 1 min
Mechanics		
Dimensions	Ø 130.0 mm x 36.2 mm	97 mm x 60 mm x 31 mm
Weight	220 g	120 g
Housing material	PU 8150	PU 8150
Color	White/Black (extra colors on demand)	Black
Operating temperature	0° to 35°C	0° to 35°C
Storage temperature	-20° to 60°C	-20° to 60°C
Installation	On-ceiling mounting with mounting plate, supplied	Four M4 holes
Networking		
Connectivity	Gigabit Ethernet	Gigabit Ethernet HDMI USB
Recommended cabling	Cat 6 or later	Cat 6 or later HDMI cable
Addressing	DHCP Static IP	DHCP
Device hostname	terabee-<serial_number>	terabee-gateway
Protocols	HTTP/HTTPS, MQTT/MQTTS	-
Outbound traffic required on port	53, 80/443, 1883/8883, 1194	-
Domain whitelisting	*.terabee.com	-
Data hosting	Cloud hosting (Datacenter in Amsterdam, Europe) Data storage for up to 2 years	Local
Setup	Web GUI on the device and accessible by smartphone or laptop	Web GUI on the device and accessible by smartphone or laptop
Conformity		
Reference standard	CE, FCC, RoHS	CE, RoHS

(1) Counting accuracy is assessed on the total number of entry and exit counts in representative conditions. In very diverse environments, this value may change.

Dimensions



Installation

Terabee People Counting L-XL installs like a household smoke alarm, it needs to be placed centrally above doors and corridors and 30 cm minimum from the nearest vertical wall.

The monitored floor area depends on installation height:

Installation height (m)	Door or Corridor size (m)
2.40 (min)	1.50
3.20	2.30
4.00 (max)	3.40