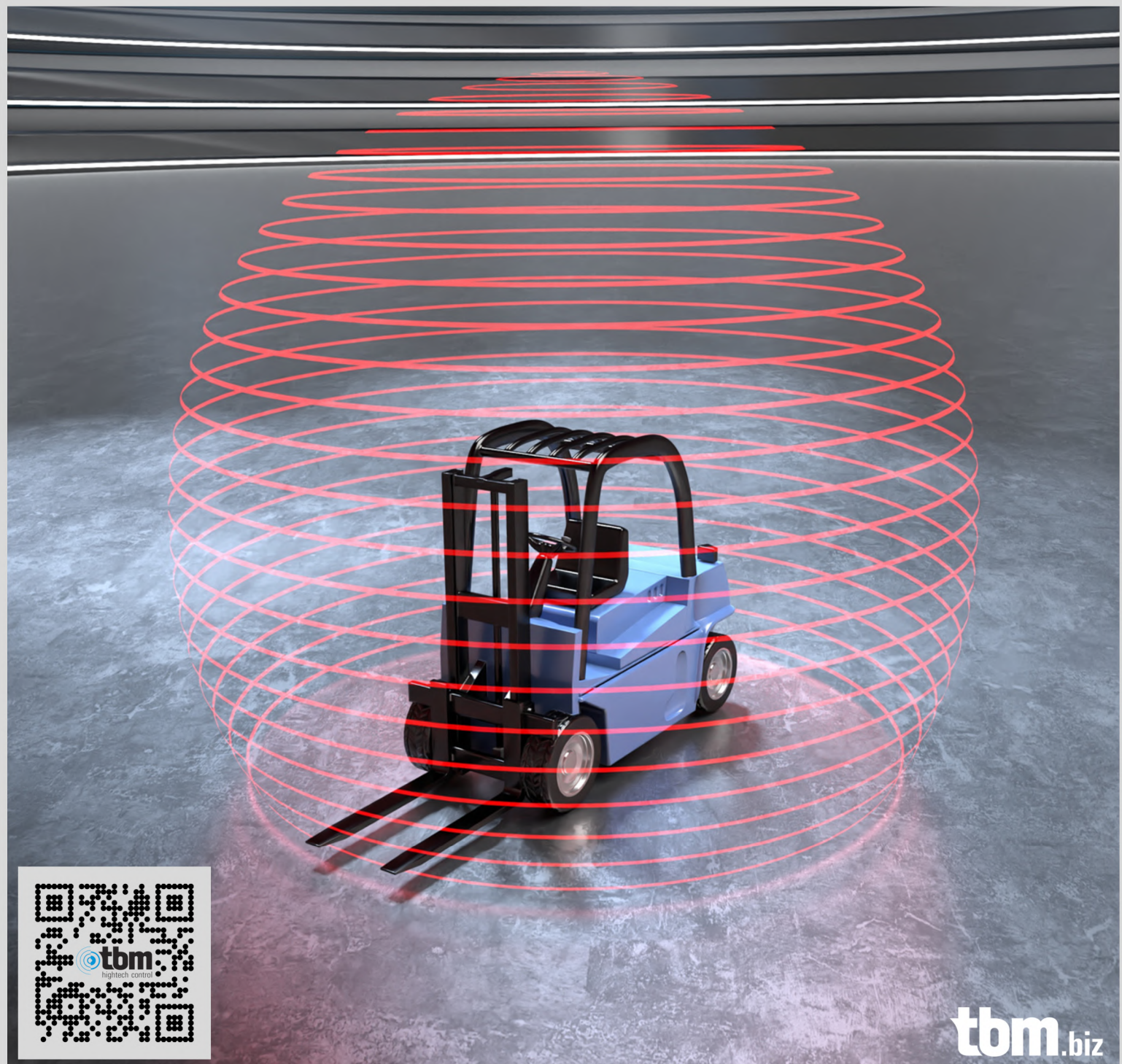


your experts for safety in intralogistics



AURA 360° Zoning

Ultra-Wideband-Technologie (UWB)



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AURA 360° Zoning – Precise. Flexible. Future-Proof.

AURA 360° Zoning is the next evolution of our proven Aura system — developed to deliver maximum safety in modern intralogistics environments.

The system is based on highly precise Ultra-Wideband technology (UWB).

The result: reliable, interference-resistant, real-time zone detection — even in demanding industrial environments.

Easy Installation. Instant Protection.

The antenna is fully integrated into the sensor. All that is required is mounting the sensor to the vehicle or structure — no external antennas, no additional peripheral devices. This significantly reduces installation effort, potential sources of error, and assembly time.

AURA 360° Zoning can be used both in stationary and mobile applications — making it ideal for securing fixed hazard zones as well as dynamic traffic areas involving industrial trucks and forklifts.

Compact. Robust. Versatile.

With dimensions of just 79 × 115 × 45 mm and a weight of approx. 110 g, the AURA 360° sensor can be integrated even where space is limited — without compromising performance.

A key advantage:

The vehicle sensor and infrastructure sensor are technically identical. Their respective function is configured directly on the sensor — quickly, easily, and at any time, without the need for software. The detection range can also be adjusted precisely and conveniently from 1 m to 25 m — again, completely without software.

This means an installed sensor can be repurposed flexibly at any time — with no hardware replacement required.

Included in the scope of delivery:

- 5 m connection cable for vehicle installation
- 1.5 m power cable for stationary installation
- Well-designed mounting bracket for fast and easy installation

This reduces product variants, simplifies inventory management, and increases project flexibility.





Hazard Zones with AURA 360° Zoning



AURA 360° Zoning is based on state-of-the-art Ultra-Wideband technology (UWB) and enables precise, real-time three-dimensional zone detection.

A sensor configured as an infrastructure sensor creates a spherical protection field. The sensors installed on the vehicle also transmit signals. When both fields intersect, the system reliably detects that the vehicle has entered a defined safety zone.

The system responds immediately and automatically:

- Reduction of vehicle speed
- Limitation of lifting height
- Activation of visual or acoustic warning signals
- Control of additional functions



In addition, the integrated status indicator provides clear visual feedback:

The LED ring changes from green to red as soon as a detection occurs and the vehicle is affected.

Technical Highlights

AURA 360° Zoning

Up to 25m Range | UWB-technology | IP65 | -30 °C to +80 °C



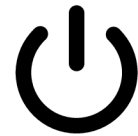
Range

- 0,5 -25m
- Accuracy < 10cm
- Two-Way-Ranging



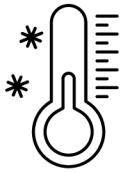
Funk (UWB)

- Ultra-Wideband-Technologie
- IEEE 802.15.4z
- 3,9 GHz (Chanel2)
- 6,5 GHz (Chanel5)
- 8,0 GHz (Chanel9)



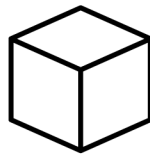
Power Supply

- 9 - 24 V DC
- 1.5 W Max. power consumption



Environment

- -30°C bis +80°C
- Industrial-grade



Housing

- IP 65
- 79 × 115 × 45 mm (L x B x H)
- 110 g
- Housing material: PA12 nylon



Interfaces

- 2 digital inputs
- 4 potential-free relay outputs
- Relay outputs configurable as NO or NC



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