DoorLock-WA9 wall reader (bus) – MANUAL

ORDER-CODES:
KXC-WA9-IP1, KXC-WA9-IP2

DATASHEET KXC-WA9

Overview

The Kentix IP wall reader WA9 enables the contactless activation of doors and barriers with a UHF RFID chip. The long-range wall reader can read RFID chips up to a distance of 8 meters. The housing complies with protection class IP67. The setup always consists of the actual wall reader and the connected Kentix AccessManager. The wall reader is connected to the AccessManager via a 4-wire connection. The AccessManager itself connects directly to a Power over Ethernet (PoE) capable network switch. To control electric strikes/motor locks, the SmartRelay offers two relay outputs and, depending on the power class of the strikes, an

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integrated PoE splitter with 24VDC output.

Safety instructions

Installation
Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.
No modifications of any kind, other than those described in an appropriate manual, are permitted to Kentix GmbH products.
Certain levels of protection must be provided when installing Kentix equipment.
Observe the relevant regulations for installations in the respective environment.
Only operate the products within the defined temperature range.
The instructions should be passed on to the user by the person carrying out the installation.
Kentix accepts no liability for damage to the equipment or components resulting from incorrect installation. No liability is accepted for incorrectly programmed units.
Kentix shall not be liable in the event of malfunctions, damage to property or other damage.
Use of the products, transport and storage
Protect the device during transport, storage and operation from
Protect moisture, dirt and damage.
Battery powered products
Do not use products in potentially explosive atmospheres.
Only operate the products within the defined temperature range.
Installation and battery replacement may only be carried out by trained personnel in accordance with the instructions.
Do not charge, short circuit, open or heat batteries.
When inserting the batteries, pay attention to the correct polarity.
The devices must always be operated with the batteries intended for the product.
When changing batteries, always replace all batteries.
Dispose of old or used batteries properly.
Keep batteries out of the reach of children.
Maintenance
Kentix devices must be checked for functionality as part of annual maintenance.
Disposal
Electrical appliances and batteries must be disposed of separately from household waste.

Mounting a reader on the side of a barrier or gate for a windshield transponder

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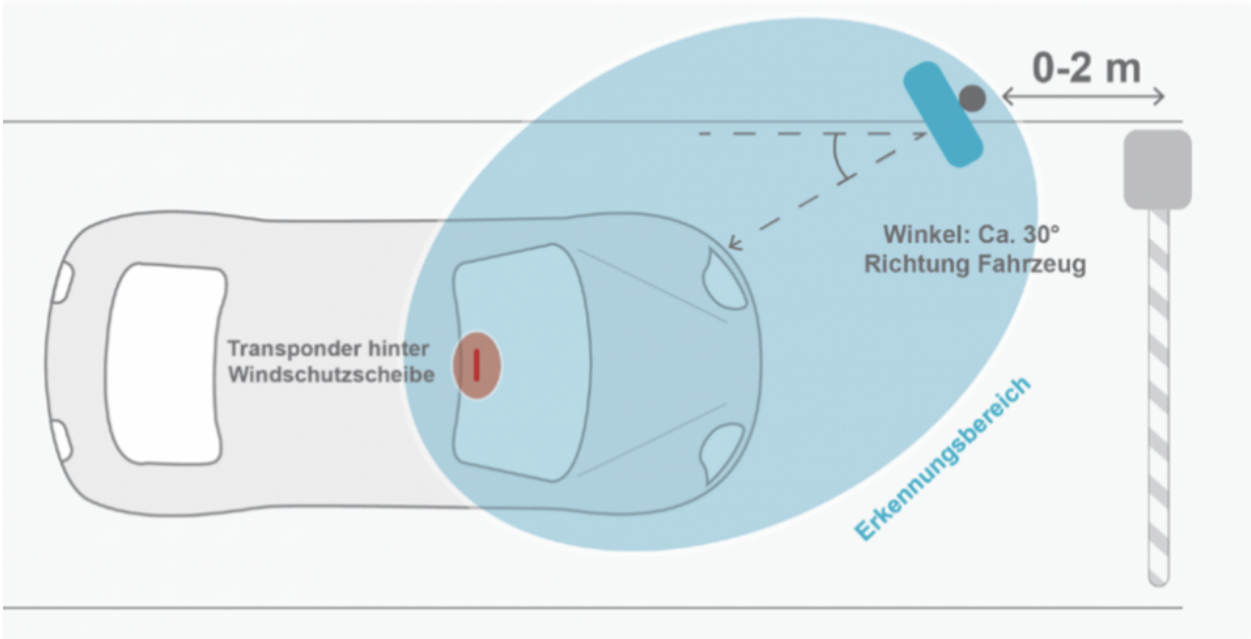

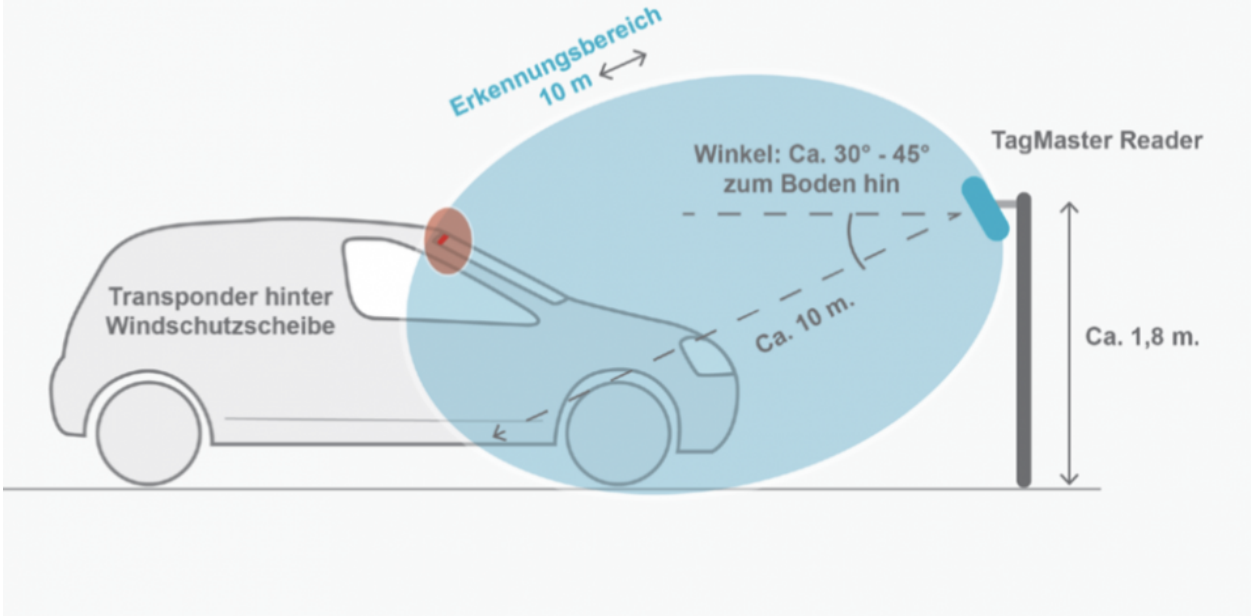

Reader arrangement

Distance from the barrier: Approx. 2 m in front of the barrier, on a post or similar near the road. The vehicle reaches the detection area earlier during the approach. Thus, the barrier will be opened a little earlier to allow smoother passage.

Height: approx. 1.8 m

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Orientation: 30° – 45° towards the ground, 20° – 30° towards the vehicle.

Readers: XT Mini, XT-1, XT-5.

Transponder: ISO Card, ISO Combi Card, Windshield Tag (windshield transponder).

Mounting a reader on the side of a barrier or gate for a headlight transponder

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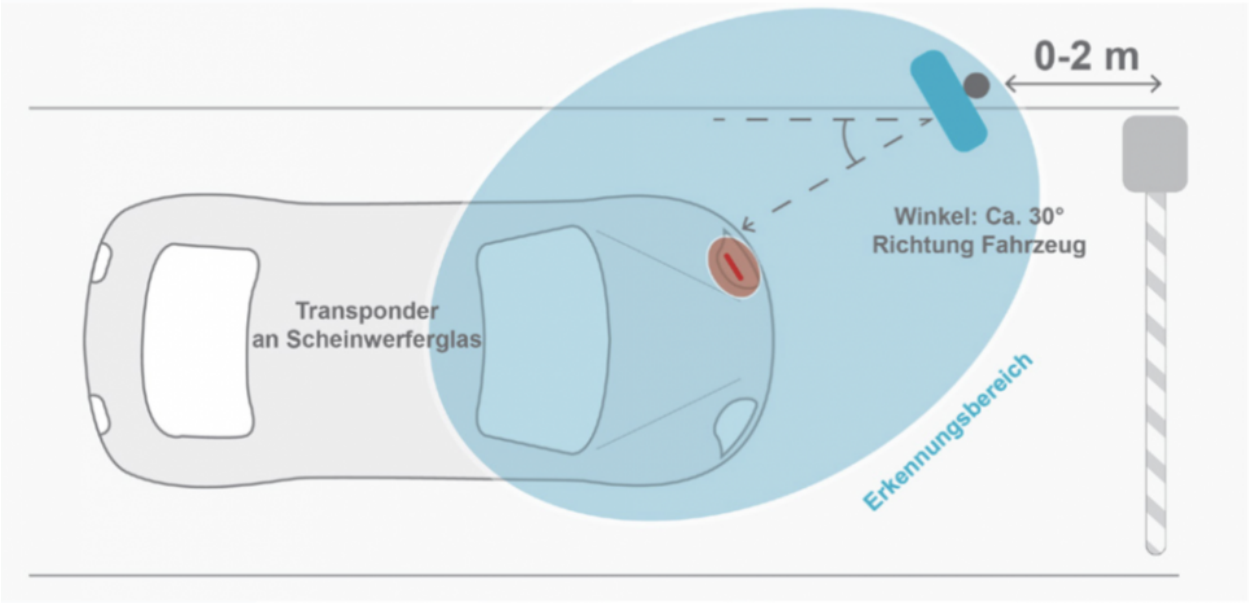

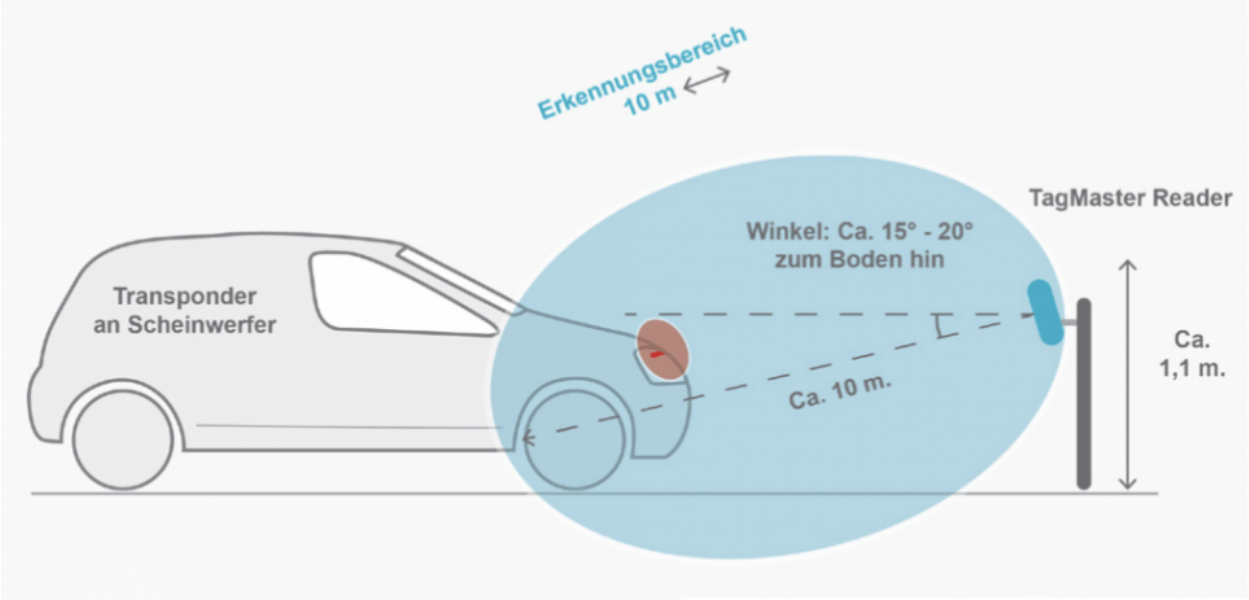

Reader arrangement

Distance from the barrier: Approx. 2 m in front of the barrier, on a post or similar near the road. The vehicle reaches the detection area earlier during the approach. Thus, the barrier will be opened a little earlier to allow smoother passage.

Height: about 1.0 – 1.2 m.

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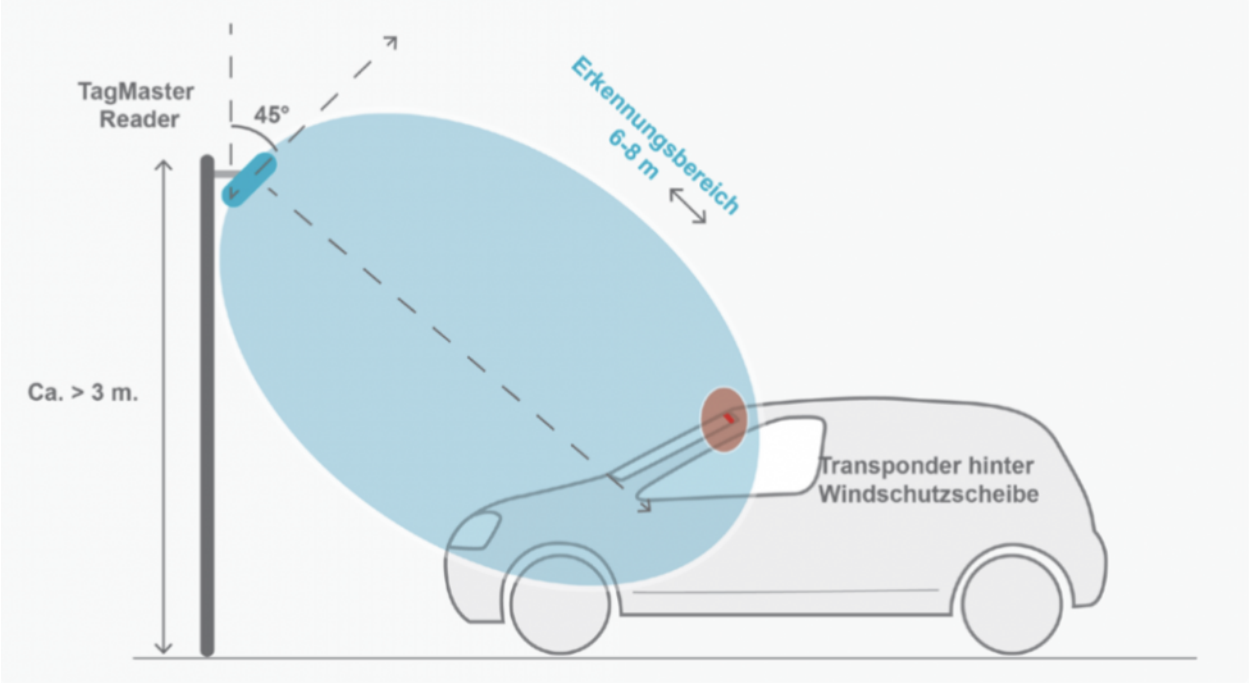
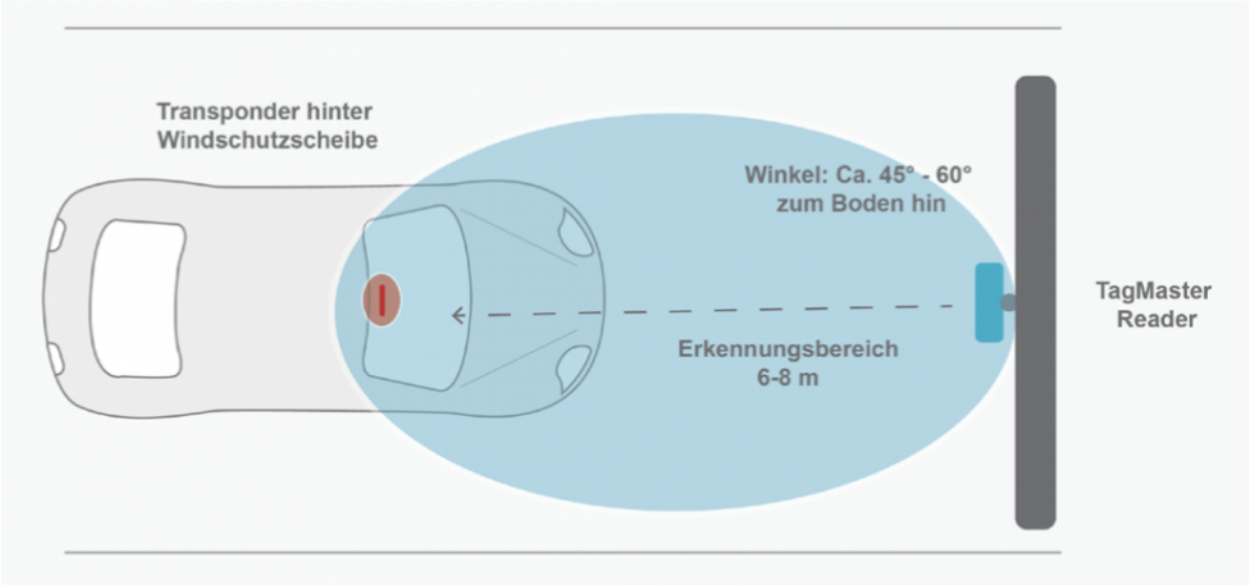
Orientation : 15º – 20º towards the ground, 30° towards the vehicle.

Readers: XT Mini, XT-1, XT-5.

Transponder: Headlight tag (headlight transponder), item no.: 227000.

Mounting a reader above a driveway or gateway





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Reader arrangement

Distance between floor and reader: 2.5 – 3 m.

Position: Centered above the entrance or gate.

Angle: Align the reader with the floor. Angle: 45° – 60

Height: approx. > 3 m.

Readers: XT Mini, XT-1, XT-5.

Transponder: ISO Card, ISO Combi Card, Windshield Tag (windshield transponder).

Mounting readers on both sides of a gate or barrier

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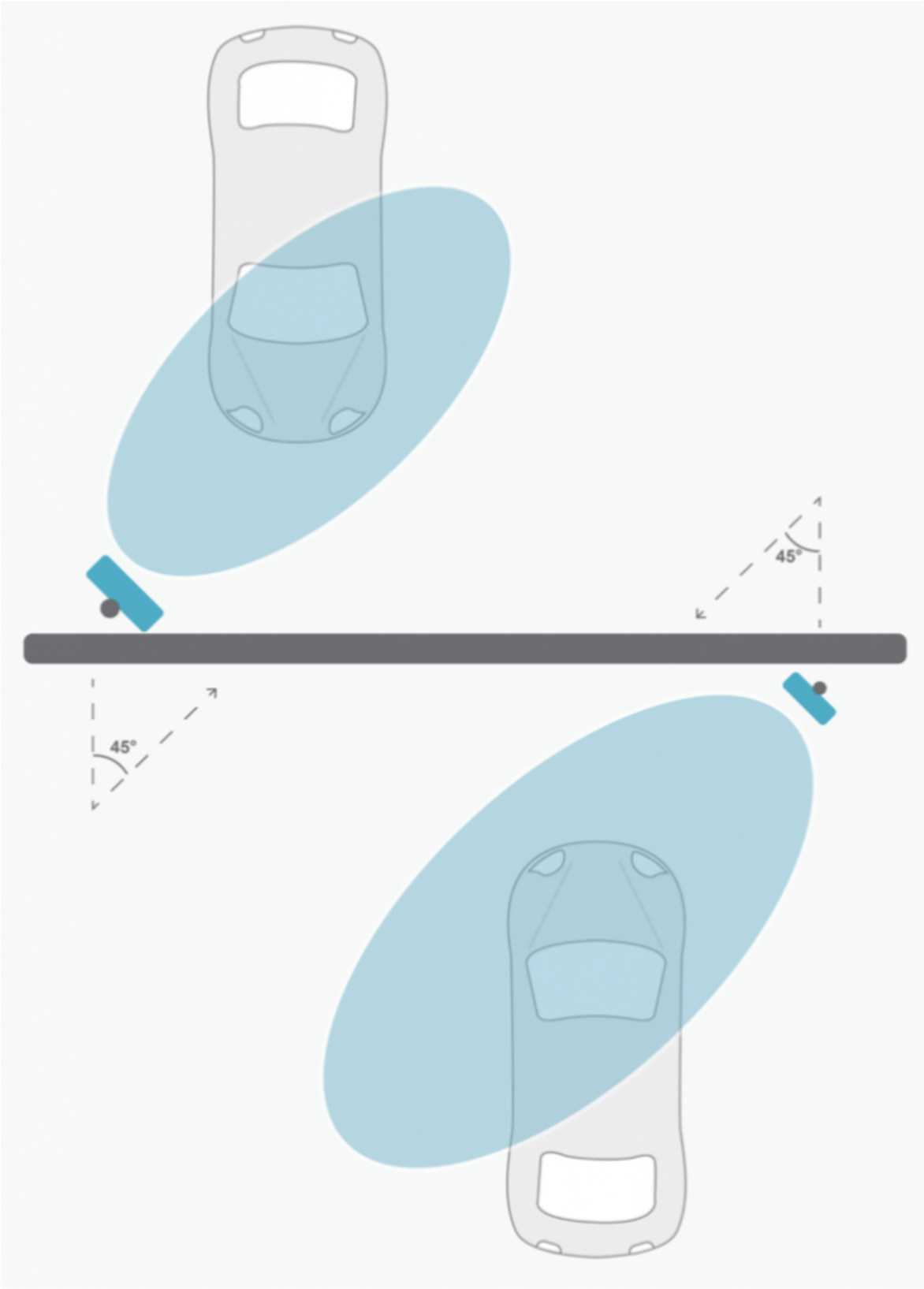

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Reader arrangement

Position: Attach the reader to the right side of the gate (right-hand traffic).

Angle: 30° – 45° towards the vehicle.

Setup for centrally located readers and road barriers

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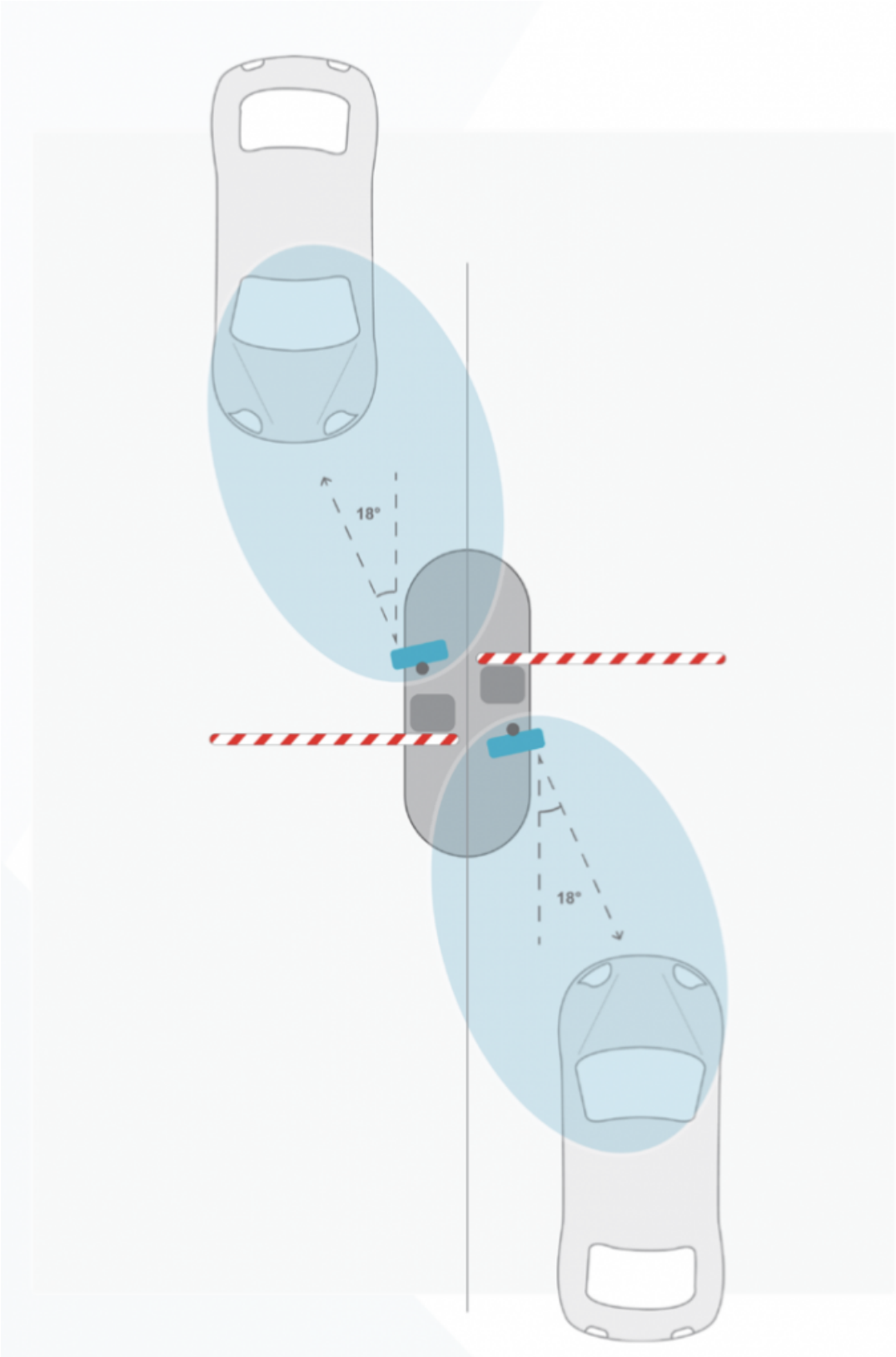

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Arrangement of the reader
Position: Centrally arranged readers and road barriers.
Arrange one reader in each direction.
Angle: 15° – 20° towards the vehicle.

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