

# **NoColl Collision Protection**

NoColl Dome V3

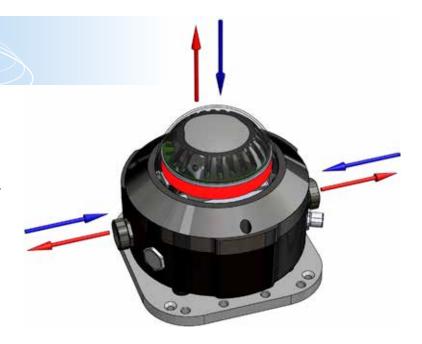


## **NoColl Dome V3**

The NoColl Dome V3 is the innovative further development of the NoColl technology, which has ensured safety in intralogistics for 15 years.

It features the technology for Logistics 4.0. Powerful, flexible and compact. It is the driver assistance system designed for logistics safety according to ASR 1.8.

It can be installed on both new and existing industrial trucks of all manufacturers.



#### **High performance in 3 dimensions**

The Dome V3 integrates three fully functional NoColl sensors. It communicates **vertically** with the NoColl sensors on the traffic route and at danger spots + **horizontally** with other vehicles driving on the traffic route.

The communication is based on encoded IR technology and comprises 256 codes. It replaces a fully equipped DAS spoiler and fulfils complex functions.

### Area of use

### **Encounters with oncoming traffic on traffic routes**

Speed is reduced only for a brief time during the encounter to ensure the required safety.

#### Optionally

- only in wide aisles or
- on all traffic routes.

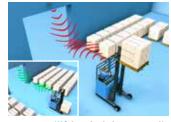
This significantly increases safety for a hardly noticeable loss in time. Thanks to direction-dependent intelligence, the vehicles driving behind are not affected.

### + Zone and area-specific safety

The Dome V3 naturally complies with all zone- and area-specific speed reductions, such as e.g.



in passageways



at gates (lifting height control)



zone-specific speed on traffic routes





## **Characteristics and benefits**



# High-tech on the smallest space

Fully digitized technology on just 100 cm<sup>2</sup> High-speed data evaluation in 16-bit technology

Saves space on any vehicle



# Intelligent electronics – for more safety and comfort

The integrated software package includes numerous functions.

Thanks to the modular software design, it can easily be extended to meet customer specifications. Flexible use thanks to simultaneous command analysis and prioritizing.

Powerful and efficient.

Integrated experience from 15 years

Easy installation
- on all vehicles

Convenient installation thanks to its compact design. Easily and quickly configurable by IR remote control.

Quick installation and initial operation



# Adjustable range

Different braking behaviour of different vehicles can be compensated. This ensures particularly flexible use.

High comfort thanks to settable parameters

Self-monitored and optionally network-capable – for Logistics 4.0

Three high-performance micro-controllers monitor the high-speed data exchange. Redundant evaluation. Diagnostic and function indicator by highly noticeable illuminated ring.

**Future-proof and safe** 



### **Practical protective dome**

A protective cage made of a 3 mm thick steel plate protects the Dome V3 from damage, e.g. at passageways with strip curtains – without impairing the transmission power. It can therefore also be used in particularly tough storage conditions.

# The dome for all purposes: small – compact – multifunctional



### Technical specifications

NoColl Dome V3	
Operating voltage:	$24\mathrm{VDC}\pm10\%$
Operating current:	max. 0.2 A
Heater:	10 W temperature-controlled, range adjustable, suitable for deep-freezing areas
Operating temperature:	-40°C +65°C
Carrier medium:	Infrared light, modulated
Propagation:	X- and Z-axis
Wavelength:	880 nm, PCM
Range (indoors):	6-15 m adjustable
Angle of radiation, Z-axis:	$\pm 22^{\circ}/\pm 45^{\circ}$ adjustable
Angle of radiation, X-axis:	± 22°
Inputs:	4 inputs 10-28 VDC
Outputs:	4 outputs 24 VDC / 100 mA
Switch outputs:	potential-free 2 relay switch outputs: 48 VDC / max. 0.5 A
Enclosure:	IP 66
MTTFd:	15 years (calculation based on SN29500 part 1-15. Calculation acc. to ISO 13849, Annex D.)
Housing:	Aluminium, black (RAL 9011), transparent dome made of PC
Dimensions:	(Ø x H) 154 x 128 mm
Type of assembly:	Screw assembly
Weight:	0.9 kg

## tbm awards

















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