



BRIEF INFORMATION

360° camera system

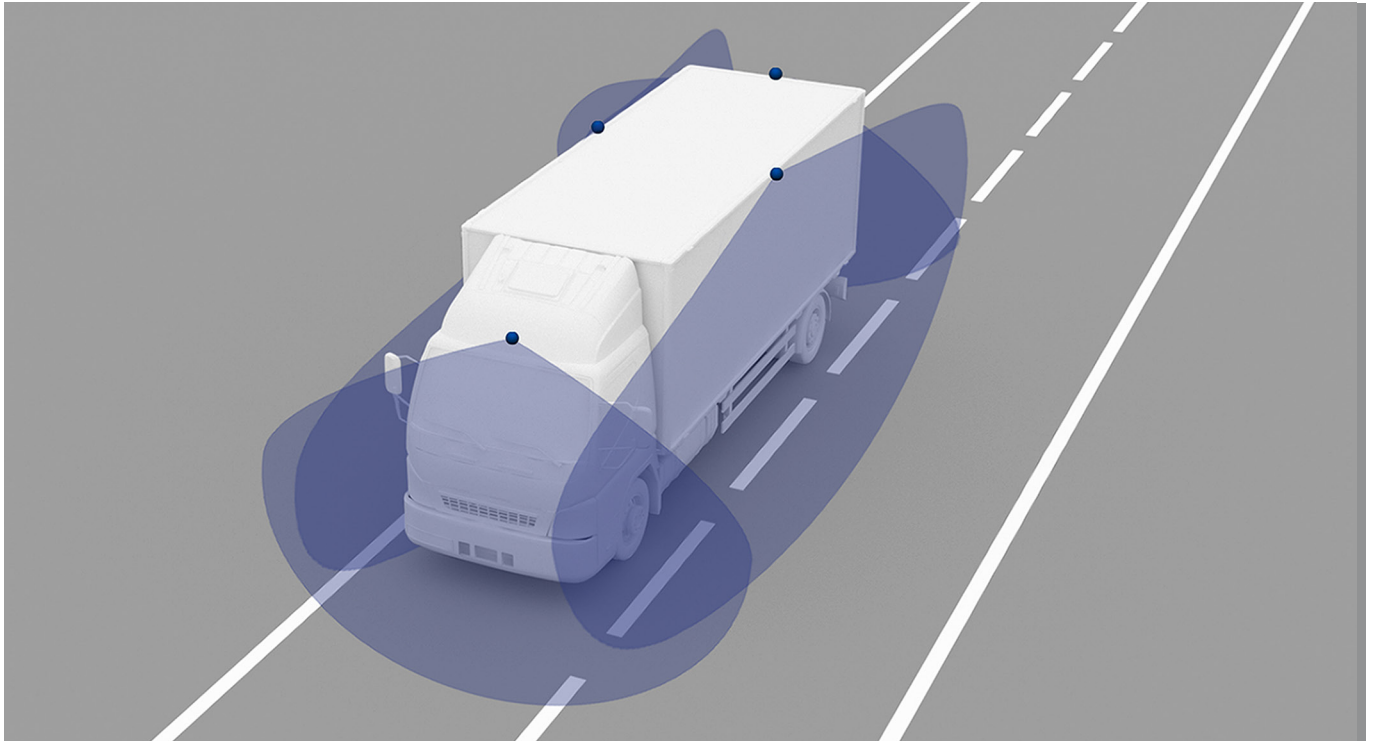
- Enables a panoramic view
- No blind spot on the vehicle
- Complete overview of the vehicle on one screen
- Facilitates manoeuvring in areas with difficult access
- For added safety and prevention of vehicle damage

PRODUCT FEATURES

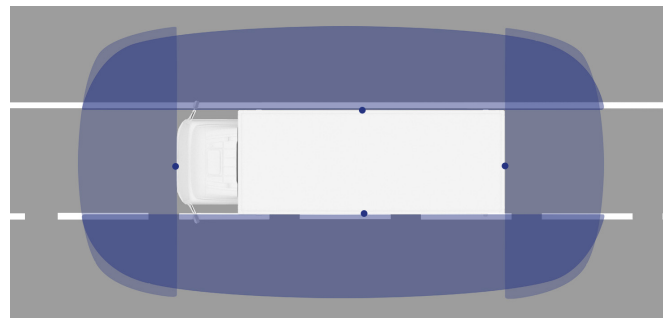
Application

The 360° camera system can be used for a variety of transport vehicles, commercial vehicles or trucks and also buses and motor homes. This system ensures a panoramic view of the vehicle. Thanks to the bird's-eye view of the vehicle that is shown, manoeuvring in areas that are difficult to access is no great challenge. Furthermore, collisions with people and objects can be avoided.

DESIGN AND FUNCTION



Essentially, the 360° camera system consists of a control unit, four cameras and a monitor, which are connected together via a wiring harness. By means of the camera's ultra wide-angle lens ($H = 185^\circ \times V = 142^\circ$), the vehicle's surroundings are visualised and then displayed on the monitor in real time. This enables the driver to react in time in the event of an impending collision with persons or objects. The appropriate camera views are projected onto the monitor via the control unit when the relevant input signals, such as direction indicators or reverse gear, are activated. These can also be individually controlled by the driver by using the appropriate selection button. To ensure correct alignment of the cameras, a calibration* of the system must be performed. Other settings such as marker lines in the display - for parking or manoeuvring - can also be set up using the calibration tool.



* The calibration tool can be ordered using the number **8PD 358 142-021**.

TECHNICAL DETAILS

Technical data - Camera

Voltage range	12–24 V DC
Dimensions for camera (WxHxD)	36 x 61 x 46 mm
Dimensions for control unit (WxHxD)	174 x 101 x 30 mm
Protection class	IP 69K
360° images	Yes
Various selectable views	Yes
Configurable setup	Via remote control or monitor
Configurable parking markings	Yes
Ultra wide-angle camera	185 x 142°
Switching PAL / NTSC	Yes (by the control unit)
Bearable mechanical vibration	8,5 G
Bearable mechanical impact	50 G
Operating temperature	- 30 to +70°C
Protection class for ECU	IP 30
CE mark	Yes
FCC test	Yes
IC test	Yes



Technical data - Monitor

Voltage range	12–24 V DC
Dimensions (WxHxD)	196 x 118 x 26 mm
Screen diagonal	7,0"
Resolution	800 x 480 pixel
Angle	70 x 50 x 70°
Glare-free screen	Yes
Distance indications on the monitor	Yes
Audio input and output	Yes
Sun visor	Yes
Automatic brightness adjustment	Yes
Automatic switching PAL / NTSC	Yes
Operating temperature	- 30 to +70°C
CE mark	Yes



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Subject to technical and price modifications.

PROGRAMME OVERVIEW / ACCESSORIES

360° camera system

Scope of delivery:

- 4 cameras (including cable)
- Monitor (including cable)
- Connecting cable

8XX 358 142-931

Orderable as an extra

Calibration tool **8PD 358 142-021**

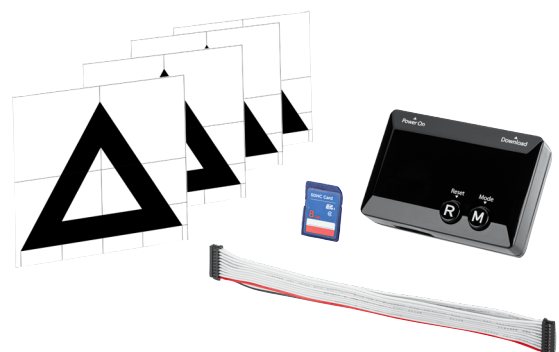
Accessories

Mounting bracket for adjusting camera angle
8XX 358 142-001

Mounting bracket for impact protection
8XX 358 142-011



Scope of delivery for 360° camera system



Calibration tool