

# IN FOCUS: SAFETY.

MAN camera systems



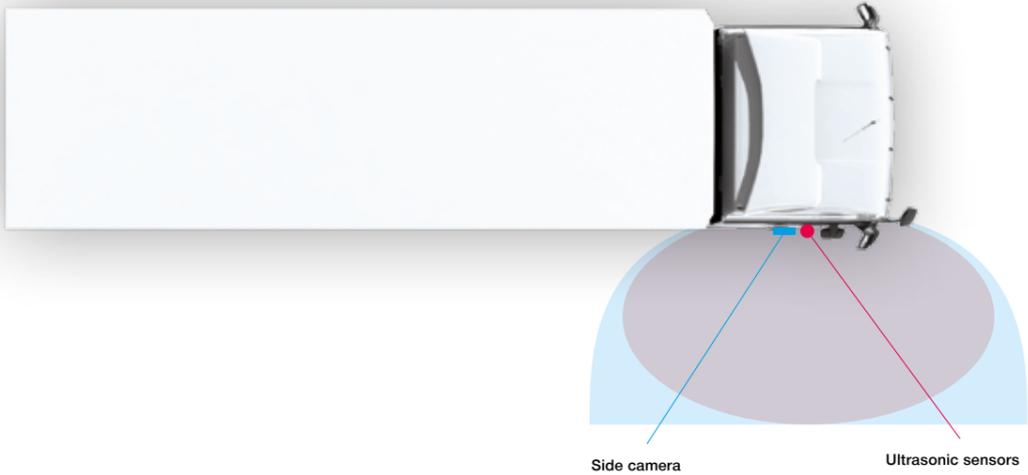


## LESS IS MORE.

**Every accident avoided is a win.** Less is more. This is particularly true when it comes to safety and the prevention of accidents caused by negligence. The majority of accidents between trucks and cyclists can be avoided. The mission: Camera systems that monitor the surroundings almost seamlessly and warn with optical signals or, if desired, also acoustic signals. The benefit: Increased safety for all road users and more safety for your drivers, who bear a great deal of responsibility. Let's help them do what they're supposed to do: arrive safely at their destination – with MAN camera systems. Have a safe journey.

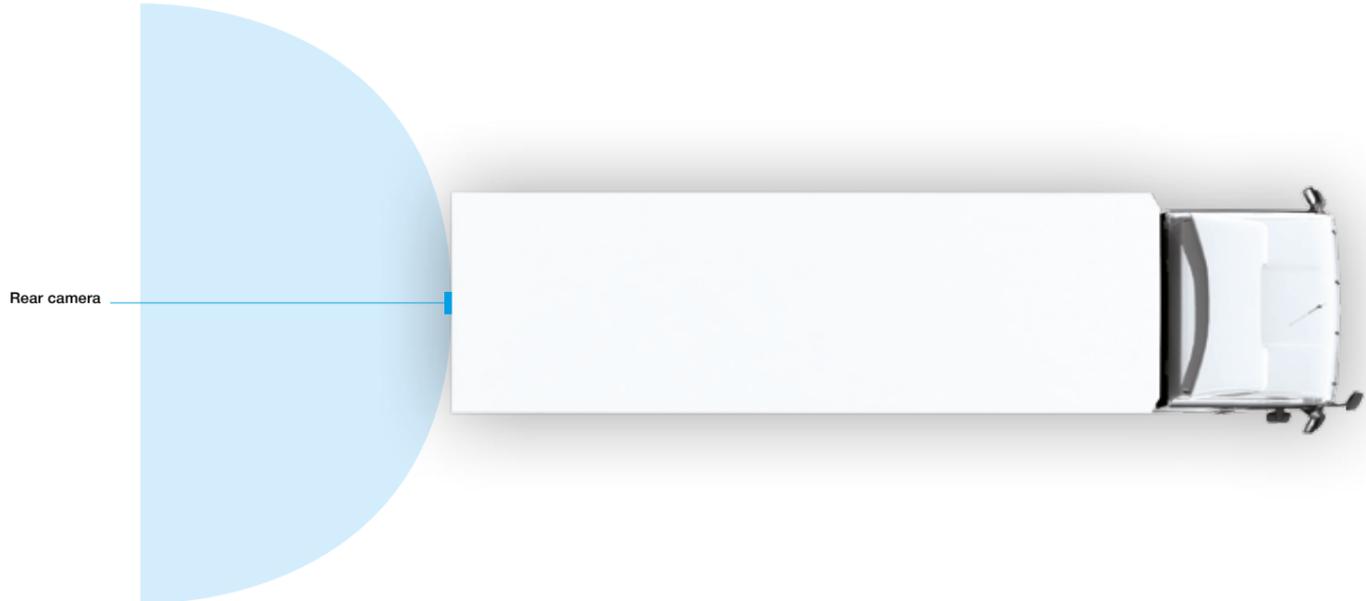
# THE MAN VIDEO TURNING SYSTEM: SAY GOODBYE TO BLIND SPOTS.

Everyone knows that the blind spot is the area that cannot be seen when looking in the rear-view and side mirrors. However, not everyone knows that the gap can be closed seamlessly. The MAN Video Turning System records this non-visible area with a wide-angle camera mounted on the outside of the driver's cab and transmits the image to the vehicle monitor or the optional additional monitor on the co-driver's A-pillar. A further option is to add ultrasonic sensors to the camera system. This allows the immediate surroundings of the driver's cab to be recorded. Objects or persons located in this area trigger a warning light on the A-pillar and an acoustic warning.



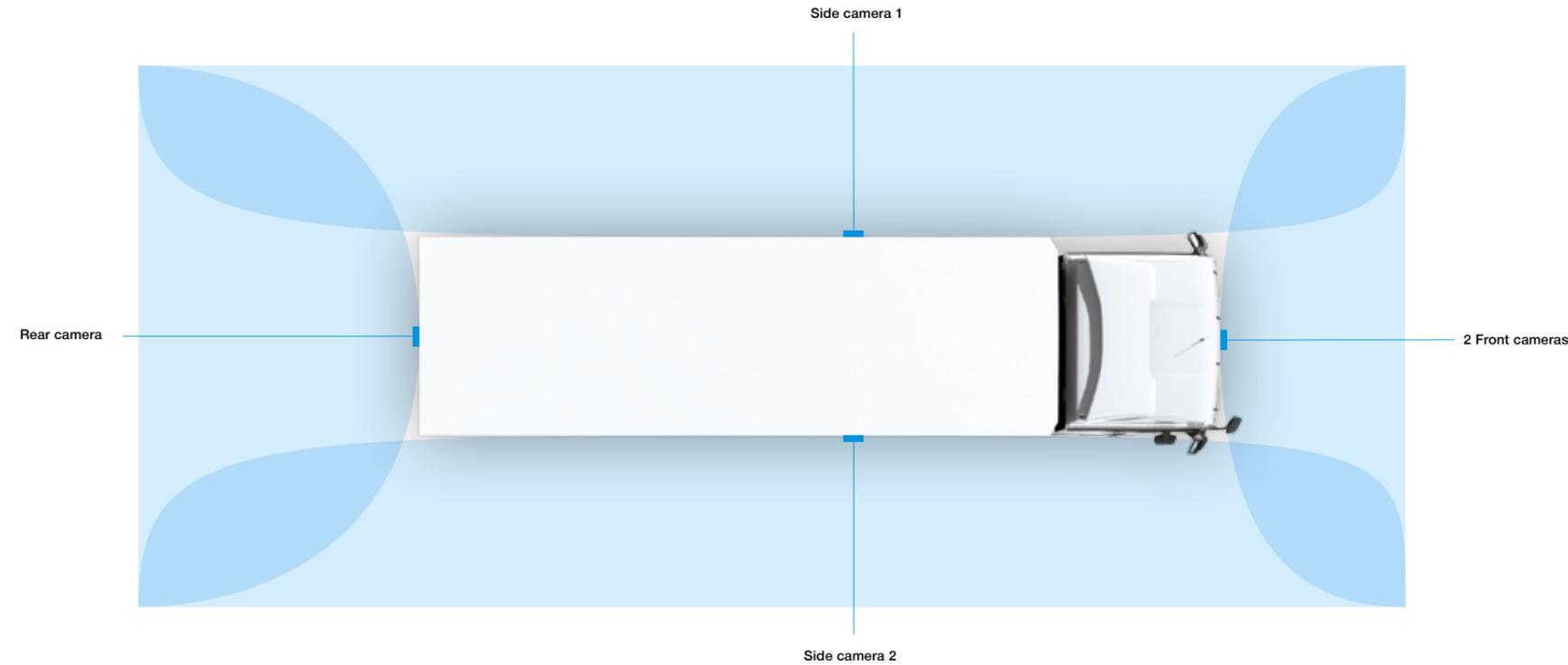
# MAN REAR-VIEW CAMERA SYSTEM: EYES IN THE BACK OF YOUR HEAD!

If you had eyes in the back of your head, a lot of things would of course be easier. But you can have them! With an MAN rear-view camera system, drivers can see behind them just as well as in front. They can clearly see the entire vehicle situation, including side views on the right and left. The vehicle display shows contrast-sharp images, with the option of inserting reversing paths if required. Acoustic signalling devices additionally warn of potential obstacles. The way backward thus becomes a big step forward.



# MAN BIRDVIEW: THE 360° HD CAMERA SYSTEM: EVERYTHING IN VIEW.

Those who see more have a clear advantage, because only dangers that are detected can be avoided. For example, in nature, chameleons protect themselves with their 360° all-round view. It is precisely this principle that has been adopted – for the protection of others. With the innovative MAN 360° HD camera system, safety risks from hard-to-view areas or blind spots when turning, changing lanes or reversing and manoeuvring in confined spaces can be significantly minimised. The 360° HD BirdView camera system is activated automatically. When driving, the view changes depending on the speed, turning indicators and which gear is selected, allowing the driver to turn safely and perform especially precise manoeuvres. Many eyes see more than just two.



Intelligent zoom dependent on the cruising speed.



Up to 15 km/h



15 km/h to 40 km/h

At speeds above 40 km/h, the monitor goes out

Automatic adjustment of the field of vision when the indicator is activated.



Indicator, left



Without indicator

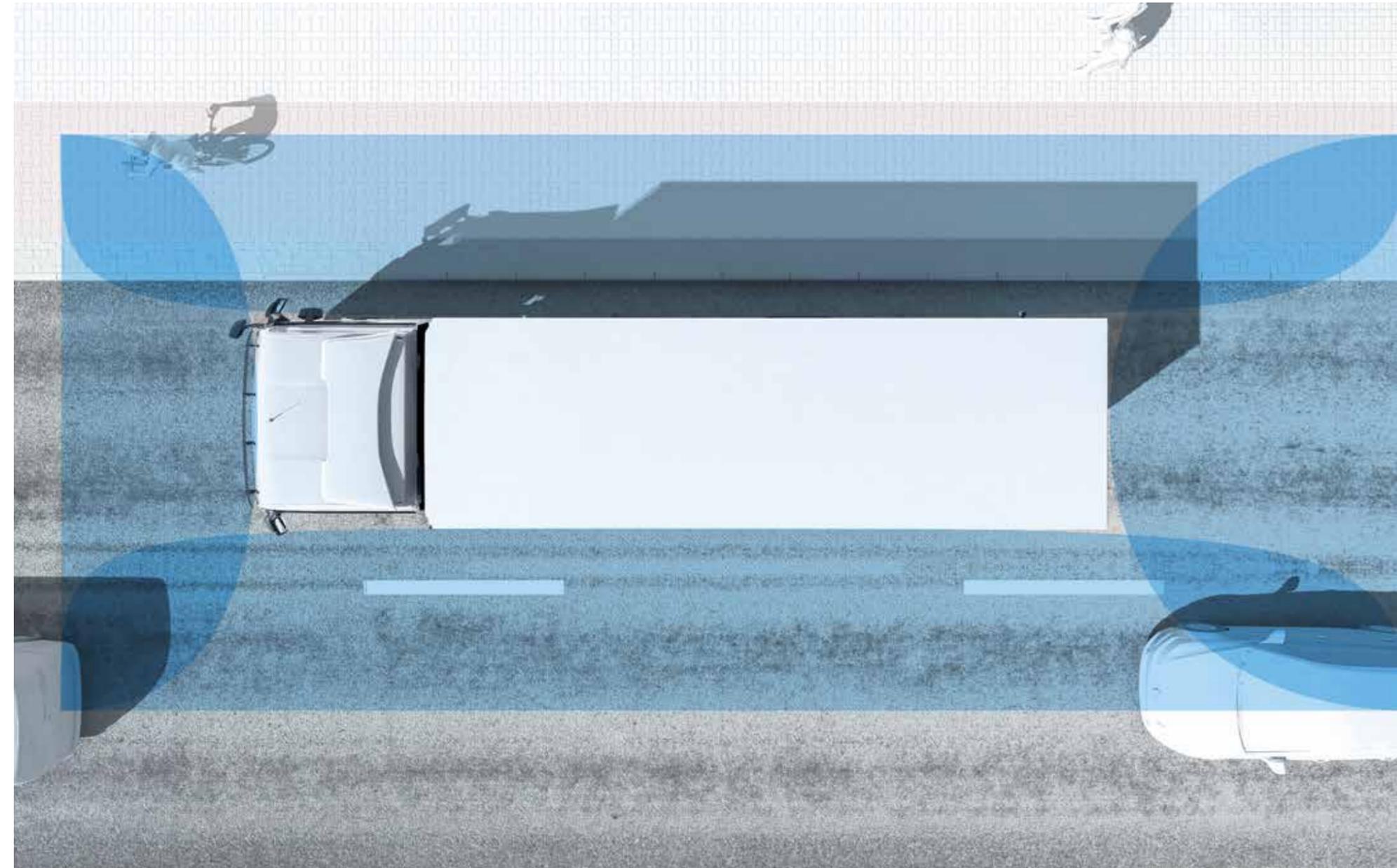


Indicator, right



# PERFECT OVERVIEW: TYPICAL MAN CAMERA SYSTEMS.

	Standard equipment			MAN Individual			Retrofitting		
	Truck	Bus	TGE	Truck	Bus	TGE	Truck	Bus	TGE
BirdView	X	X	X	✓	✓	X	✓	✓	X
Video turning system	X	X	X	✓	X	X	✓	X	X
Video turning system with ultrasonic sensors	X	X	X	✓	X	X	✓	X	X
Rear-view camera	X	✓	✓	X	✓	✓	✓	✓	✓



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