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GAW

Press release,

Ladies and gentlemen!

During TRAKO 2019, we will present for the first time to our customers from the rail transport industry from Central and Eastern Europe, the most technologically advanced sensor for automatic passenger counting - IRMA 6.

IRMA 6 sensor is a perfect complement to existing on-board systems. After connecting our sensor to the on-board computer responsible for managing the on-board information system, we obtain additional data on the number of passengers who are in the vehicle. Thanks to data from our **IRMA 6** sensor, we can thoroughly analyze passenger flows and the number of passengers entering and leaving in given locations, connections or routes.

IRMA 6 sensor provides the highest level of accuracy and reliability by extending the proven "Time-of-Flight" (ToF) detection technology, which involves monitoring the door area by using laser beams.

Unlike its predecessor (IRMA MATRIX sensor), our latest sensor has a much higher resolution (thus much wider detection zone). **IRMA 6** sensor monitors the door area and the distance to the objects in 80,000 points, thanks to which the sensor quickly analyzes the shape of the given objects and the direction of the movement, and then delivers ready data to on-board information systems, including on the number of passengers. The counting data is sent through the equipment of our partners (on-board computer manufacturers) to the end customers where it is analyzed. **IRMA 6** sensor has an open communication protocol and can be connected to on-board information systems via the ETH or PoE network, and may communicate according to the new IBIS

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IP (VDV301) or ITxPT standards.

IRMA 6 sensor, like its predecessor, does not require calibration (once properly installed and connected, it works stably throughout the entire life cycle). For proper operation, single sensor is needed in a standard double-leaf door. The sensor counts passengers with very high precision (it has 99% accuracy) regardless of ambient conditions, e.g. fog, rain (the sensor is waterproof), high or low temperature.

IRMA 6 sensor very accurately counts people even in total darkness (0 LUX) and in high sunlight. Works well, regardless of the color of the clothing and the behavior of the passengers (when getting in and out or crowding at the same time).

IRMA 6 sensor not only can count passengers and distinguish them from other objects by analyzing their shape, in addition, it categorizes people into adults and children by height recognition and is able to count wheelchairs and bicycles.

IRMA 6 sensor can be activated / deactivated not only by the on-board computer that controls it, but also by applying the appropriate voltage (it has electric control input).

IRMA 6 sensor can also directly control the door mechanism and prevent the door from closing depending on the presence of various objects in the door zone (it has electric control output).

IRMA 6 sensor has a modern housing and thanks to its patented, rotatable M12 connectors, we can install the sensor in a much simpler and faster way.

Together with the new sensor, we provide our partners with a completely new, modular and web-based service application thanks to which it is possible to operate sensors more easily using a web browser.

We invite you to the presentation of the new **IRMA 6** sensor to our **stand 58 in hall A at TRAKO exhibition.**

For more information about our new sensor, we also encourage you to contact our sales representative.



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Attachments:



