



Even simpler, more intuitive and flexible. IRMA 6, the sixth generation of sensors for automatic passenger counting from iris-GmbH, made its debut from September 18 to 21 at InnoTrans 2018 in Berlin, the home and birthplace of the company.

■ **The hardware has been re-developed** from scratch and features increased storage and computing performance while retaining the robust and proven time-of-flight (TOF) technology. The increased resolution of 80,000 pixels generates more intuitive and easy to understand video images (HD / TOF image streaming). To allow more flexible mounting positions and heights, the counting sensor was fitted with an advanced technical feature in lighting technology.

The implementation of the ITxPT sensor communication achieves maximum standardisation. IRMA 6 = Plug&Play.

User-friendly web interface

Apart from technology development, iris GmbH is also committed to product design. Cleverly devised details save time and therefore installation costs. Overall, IRMA 6

is designed for modularity – this allows the use of numerous different physical interfaces such as Ethernet, Ethernet with PoE and various other future IOs. A user-friendly web interface allows direct access to the system by browser. With the development of the sixth generation of IRMA sensors, iris GmbH not only intends to expand the options of the technology, but also aims at creating an intuitive product which shortens and facilitates all work steps at all levels of use.

For many years now, the management of small and large fleets has been an important issue in the development of local transport networks. In the past 15 years satellite-based tracking and the introduction of powerful processors have led to a widespread use of telematics systems

for fleet control and passenger information in real time. We are now seeing a further boost in innovation, triggered by powerful and globally accessible server networks (cloud computing) and the massive spread of smartphones. New system architectures including mobile terminals and data sets in the cloud are under discussion or are being tested in practice.

IRMA 6 is an offer benefiting the fast evolving digital structure in public transport. The focus is no longer only on fleet management or vehicle deployment, but rather on the control of passenger flow. With more precise data passengers can plan their trip more accurately – to achieve this, the IRMA 6 sensor offers decisive prerequisites.