

Press Release

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NeuroMatrix® TrafficMonitor-E – Smart Terminal for Intelligent Transport System

Moscow, Russia July 9th, 2001 – Research Center Module announces a newest member of RC Module's family of road monitoring systems.

TrafficMonitor-E (TME) is the next version of the TrafficMonitor System, combining CCTV camera, image processing block, and standard RS-232 interface into one compact unit inside a weather proof enclosure. This system is designed to permit simple installation on the light poles and easy integration into existing ITS infrastructures.

TME is real-time low-cost integrated computing system for road monitoring and measurement of traffic characteristics. The system is based on NeuroMatrix® NM6403 DSPs and original software with elements of neural networks. It intended for measurement of following characteristics:

- number of vehicles passed;
- average vehicle speed measured in km/h or in mph;
- average distance between vehicles;
- a time interval any vehicle is in the selected presence area in percent of the accumulation period;
- five classes: a motorcycle, a passenger car, a minivan/small truck, a bus, a truck over 12 meters.

TME is a passive system based on video technology only, it provides a cost effective solution for ITS operators.

The term, Intelligent Transport Systems (ITS), embraces a wide range of transport innovations, mostly derived from existing information and communications technologies. In its various forms, ITS has the potential to deliver significant benefits to the community and the economies of the world in terms of improved operational efficiency and reliability, reduced infrastructure costs, reduced environmental impacts and improved user safety. ITS covers all forms of transport and a multitude of applications.

TME will be presented at 8th World Congress on Intelligent Transport Systems in Australia, Sydney, stand 194, hall 5 and on VISION 2001 International Trade Fair for Industrial Image Processing and Identification Technologies in Germany, Stuttgart

About RC "Module" (www.module.ru): Research Center "Module" is a leading Moscow-based fabless semiconductor company which designs high-end processor architectures, embedded computers and application software for DSP and artificial neural networks. RC "Module" also provides system and ASIC/SIP design services to a variety of telecommunication and computer-related OEMs manufacturers.



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