

Press Release

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FOR IMMEDIATE RELEASE

RC Module and GosNIIAS start joint project – Car Collision Avoidance System

Moscow, Russia November 5th, 2001 – RC Module, a leading provider of RISC/DSP microprocessor cores and embedded systems and GosNIIAS, a leading Russian research center of aviation industry, announced today their partnership that will enable RC Module to design Driver Assistant Systems more efficiently by using GosNIIAS's video-image processing algorithms. According to the global marketing and sales agreement, RC Module will promote and sell complete solutions to its customers worldwide.

The first joint project is Car Collision Avoidance System (CCAS). The CCAS is a binocular intelligent video sensor mounted on a car and performing front monitoring of the road and vehicular traffic. It is based on methods of stereophotogrammetry, digital image processing and Kalman filtration. A prototype of the CCAS has been designed and tested on highways in real conditions.

The project includes of 3 phases:

- Porting of GosNIIAS's algorithms and software to RC Module's NeuroMatrix® DSP architecture;
- Design of the prototype using commercially available NeuroMatrix® DSP boards;
- Design of an embedded computer that meets automotive requirements.

The first demo version of the CCAS has been unveiled at VISION 2001 international trade fair in Stuttgart, Germany and will be present at Embedded Systems 2002, Nurnberg, Germany.

About GosNIIAS (www.gosniias.msk.ru): State Research Institute of Aviation Systems (GosNIIAS) is a Russian research center of aviation industry. For years the institute has been carrying research in the following areas: concept development of advanced airborne weapon systems; integration of avionics and weapon systems intended for combat aircraft and helicopters, as well as integration of flight and navigation systems intended for commercial aircraft; airborne system testing.

About RC Module (www.module.ru): RC Module is a leading Moscow-based fabless semiconductor company which designs high-end RISC/DSP processor architectures, embedded computers and application software for video image processing, 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.

RC Module's NeuroMatrix® product family includes:

- 1-64-bit NM6403 RISC/DSP processors and cores, Software Development Kit and video-image processing libraries;
- Broad range of DSP boards and real-time application software;
- "TrafficMonitor-E" - smart video terminal for Intelligent Transport Systems.

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