



## PRESS RELEASE

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## AMG Systems first to integrate Ethernet, Low Speed Data and Uncompressed Real-Time Video on Fibre Optic CCTV Transmission System

**27 September 2006** – With the launch of the second generation Guardian-Lite™ 3700/4700 series, AMG Systems becomes the first manufacturer to integrate Ethernet, low speed data, audio and high quality uncompressed video into a single fibre optic transmission system. The patented technology is ideally suited to wide area CCTV systems, including highway incident management, transport infrastructure surveillance, campus environments and perimeter security.

“Our new systems eliminate the need for separate IP, voice or data networks and enable significant savings in infrastructure to be achieved,” says Dr. Alan Hayes, founder and managing director of AMG Systems. “In a highway situation, for instance, surveillance can be carried out on high quality, uncompressed, real-time video images while the Ethernet carries IP traffic for variable message signs, phones, ANPR cameras and wireless. At the same time, the low speed data channels can carry the signals from road coils and other data systems used on modern highway systems.

“Guardian-Lite is also beneficial in perimeter security situations, again enabling high quality video images to be relayed to the control room while allowing the access control system to be carried alongside. In every situation, it is a cost-effective alternative to the installation of separate Ethernet and low speed data networks.”

The drop-and-insert 3700 series and the point-to-point 4700 series share AMG’s unique unlimited collection node and dual redundancy technology. In the event of catastrophic damage to the fibre optic cable, the AMG equipment automatically re-routes the video, data, audio and Ethernet signals to maintain connectivity. These resilient, self-healing capabilities are particularly relevant to round the clock surveillance operations and are not achieved by sacrificing video quality. Unlike SDH, MJPEG and Video over IP solutions, Guardian-Lite does not compress the video signal, making high-quality, real-time video to every controller’s desk a real possibility.

### Guardian-Lite™ 3700/4700 - Highlights

- Integrates the collection and distribution of both high quality uncompressed video signals with compressed, video over IP signals over a single, low cost, fibre optic network.
- Integrates other IP technologies and low speed data and audio traffic with uncompressed video signals.
- Enables users to ‘future proof’ transmission system investment by allowing migration to future technologies while reducing infrastructure costs.
- Takes the IP access point out to the field
- Fully SNMP managed dual redundant configurations allow for maximum resilience and system ‘up time’.

### About AMG Systems

AMG Systems Ltd is one of the world’s leading providers of fibre optic transmission equipment designed for CCTV surveillance operations in the transportation and security sectors. Carrying real-time, full-bandwidth video, audio and data signals, the company’s equipment is installed on highways, tunnels, rail links, ports, airports and buildings around the globe to enhance safety and security for all users. As well as providing the most comprehensive and innovative range available in the market today, AMG’s expertise is also exploited to produce high-quality custom fibre-optic video, audio and data transmission products for many multi-national companies. In 2005 AMG Systems won the Security Excellence Award for Best International Achievement citing, among others, the Traffic Management Systems delivered for the Athens Olympics. Recently, the company won the contract to supply the transmission system for the UK’s NRTS Project, using the innovative Guardian-Lite™ 3700 system. More information can be found at [www.amgsystems.co.uk](http://www.amgsystems.co.uk).

AMG Systems is exhibiting at ITS and can be found on Stand G44.