

Product Overview

High quality, low cost fibre optic transmission systems for short and long distance applications

AMG Systems Ltd

CCTV fibre optic solutions

From the design stage of a fibre optic transmission system, to delivery, installation, future expansion and customer support, AMG Systems aim to deliver first class products and services. All products are developed and manufactured in the UK, to ISO9001 standard.

We respect our client's requirements and understand the harsh environments where security demands are critical. We also appreciate the key elements – reliability, extended operating temperature range, exceptional quality, and zero latency – involved in designing your surveillance systems.

AMG offers a full range of fibre optic transmission equipment, including multimode, singlemode, single channel, multi-channel, drop and insert, ring, point to point, dual redundant and network management for video, audio, data and Ethernet networks.



Product Overview

Guardian-Lite™ 3700

A cost effective, multi-channel drop and insert video collection system for singlemode fibre, capable of collecting real time uncompressed video as well as Ethernet or low speed data and audio.

- Single fibre, 'daisy chain' collection
- Up to 64 video channels on one singlemode fibre
- Full bandwidth video transmission
- Ethernet distribution along side the video
- Allows signal collection from both IP or analogue cameras
- Significant savings on fibre infrastructure vs point to point or single channel solutions
- Self healing, dual redundant ring options
- Dual control room capabilities
- SNMP management facility

Guardian-Lite™ 4700

A low cost, singlemode fibre multi-channel point to point video transmission system. Also transmits Ethernet or low speed data and audio.

- Up to 64 video channels on one singlemode fibre
- Full bandwidth video transmission
- Ethernet distribution along side the video
- Self healing, dual redundant options
- SNMP management facility

Guardian-Lite™ 3600

A multimode fibre version of the Guardian-Lite™ 3700.

Guardian-Lite™ 4700

A multimode fibre version of the Guardian-Lite™ 4700.

Vision™ 2000

A single channel, point to point video, data and audio transmission system capable of transmitting distances up to 6km on multimode fibre.

- Provides lowest cost approach for local area systems
- Both dual and single fibre options available
- Auto Gain Control facility ensures trouble free installation
- Data interface options include: RS422/RS485, RS232, TTL, 20mA, contact closure and FTT10A Lonworks
- Video, audio and data – all on one fibre
- Up to 6km transmission distances on long haul option

Vision™ 2900A

A singlemode, single channel, point to point video transmission system, with a choice of data and audio configurations.

- Real time digital transmission format; no loss of signal quality, regardless of distance
- Data interface daughter board configurable; ability to address any interface protocol
- Unlimited repeat for long distance applications
- Plug in module for standard AMG2000 19" subrack, ability to mix multi and singlemode products in the same rack
- Bi-directional video and up to 3 channels of data/video with the same equipment

Guardian™ 2800

A multi-channel fibre optic transmission system for high quality, long distance applications where the installed cost of the fibre cable is significant or availability is limited. Real time uncompressed digital transmission of multiple channels on a singlemode fibre. Ideal solution for transmitting large quantities of video, data, audio and Ethernet signals between multiple sites.

- Most economical fibre usage
- Multiplexed video over point to point, ring, static and dynamic drop and insert configurations
- Digital encoding enabling no loss of quality over virtually infinite distances with repeat units
- Incorporates full management and remote monitoring capabilities
- Up to 80 channels per fibre using CWDM
- Simple configuration of auxiliary data and audio/video channels
- Ethernet capability using 100BaseT I/O
- Broadcast quality option

