4V → **1D** ↔

point to point cctv fibre optic solutions

Guardian-*Lite*™ 2740 Series

single mode four channel fibre optic video transmission system with a choice of data configurations

■ APPLICATIONS

- Security and surveillance
- Transportation
  Road
  Rail
  Metro
  Light rail
- Industrial Sites
- Inter and Intra Town & City Centres
- Campus Sites
- Video Conferencing
- Personnel Help Points
- Government Agency Applications

■ FEATURES

Real Time Digital Transmission Format
  No signal quality degradation with distance
Wide Link Dynamic Range
  No link margin required for installation, just plug in and switch on
Single Fibre Operation
  Reduced infrastructure requirement
Multiple Simultaneous Video plus Data Transmission
  Enables remote control of camera functions plus bi-directional data
Plug-in Module for Standard AMG2000 19" Subrack
  Ability to mix multimode and singlemode product in the same rack
Front Panel LED Status Indicators
  At a glance status monitoring
Data Interface Daughter Board Configurable
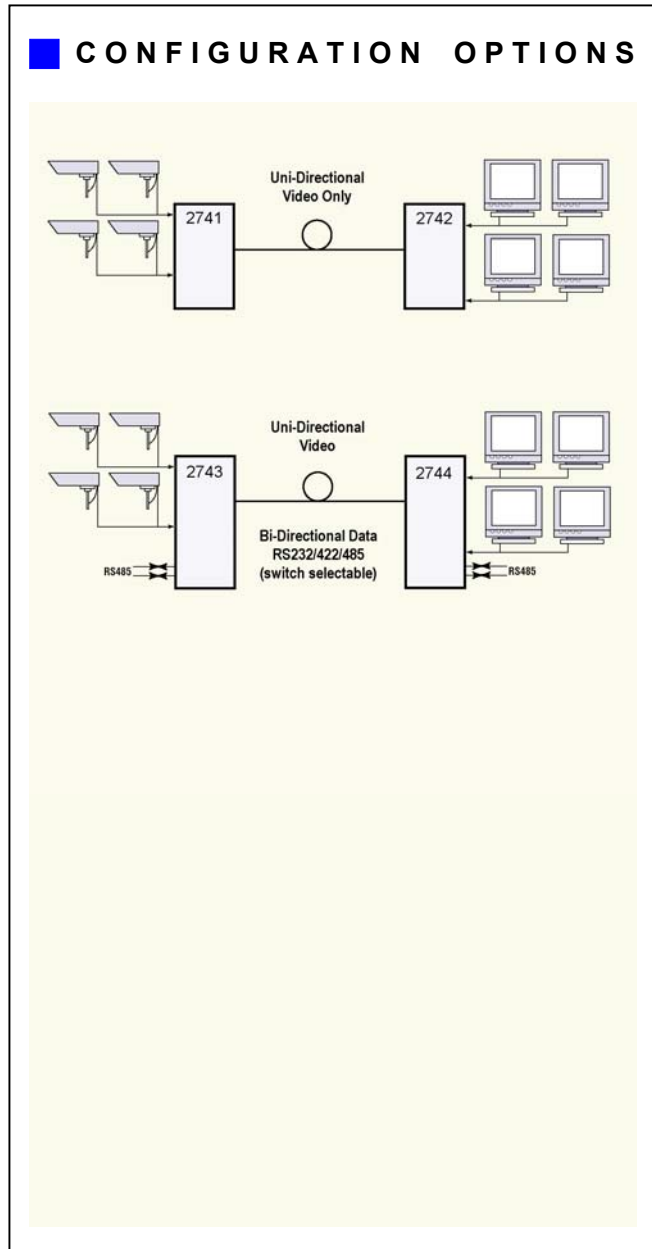 Ability to address any interface protocol
Standalone and Rackmount Formats
  Minimum space usage
Unlimited Repeat
  For long distance transmissions

■ CONFIGURATION OPTIONS

Uni-Directional Video Only — 2741 → 2742

Uni-Directional Video — 2743 → 2744
Bi-Directional Data RS232/422/485 (switch selectable)
RS485

For Drop & Insert and repeater applications contact AMG

4V → 1D ↔ VISION™ 2740 POINT TO POINT

AMG SYSTEMS LTD
OPTICAL FIBRE TRANSMISSION

■ S P E C I F I C A T I O N S

Video

Input/Output level	1V pk to pk +3dB overload
Input/Output impedance	75 Ohm unbalanced
Frequency Response	10 Hz to 5.75 MHz min (7.5 MHz cut-off)
Differential gain	2% nominal
Differential phase	2° nominal
Signal to Noise Ratio	67dB (10 Bit Digitisation)

Data

Data Rates	Up to 156 kB/s.
Data Interface Options	1 channel of RS422 or RS485 selected by internal switches.
Data Connectors	Plug in screw connectors

Optical

Wavelength	1310/1550nm
Fibre dimensions	Singlemode (multimode option available)
Fibre Core Quantity	One required
Optical connector type	FC/PC on rear panel
Path loss	13dB min (greater path loss available)

General

Operating Temperature	-15 to +65 C
Operating Humidity	0 to 95% non condensing
Video connectors	BNC
Emissions	CE Approved
Mechanical	3U x 7HP x 170mm (Plug-in or Standalone Module)
Power Requirements	+12v to +18v d.c @ 300mA
Indicators	Front panel LED status indicators

PRODUCT ORDERING DETAILS

AMG2741 - 4 Channel Video Only TX
AMG2742 - 4 Channel Video Only RX
AMG2743 - 4 Channel Video TX
+ 1 Channel Data (RS232/422/485) TX/RX
AMG2744 - 4 Channel Video RX
+ 1 Channel Data (RS232/422/485) TX/RX

RACKMOUNT UNITS
For the Rackmount Option add 'R' suffix to Part Number, e.g. **AMG2741R**

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OPTICAL FIBRE TRANSMISSION