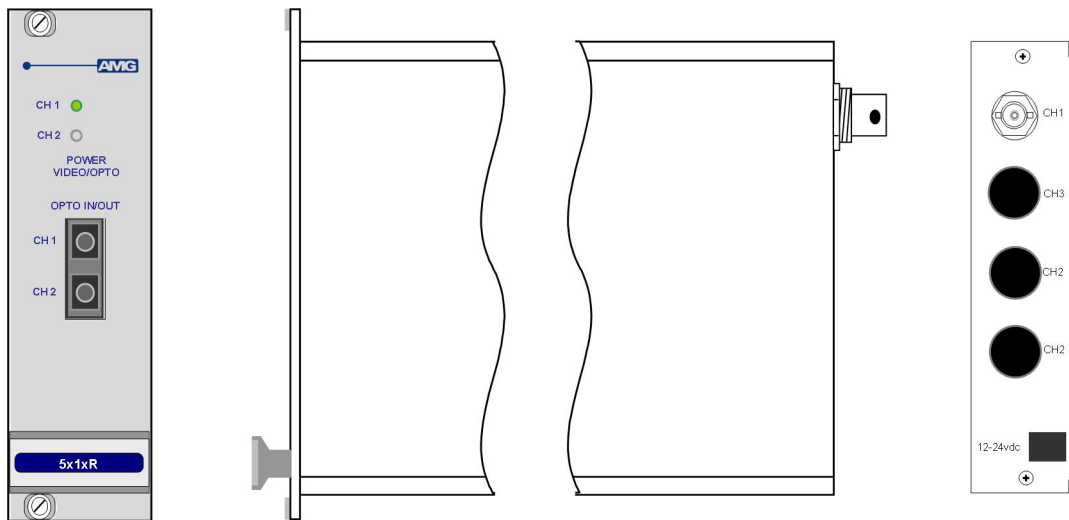


Single Channel Video Transmit Unit for a Singlemode Optical Fibre Link



The **AMG5711R** is a compact standalone one channel video transmit unit designed to transmit 1 video signal over a Singlemode optical fibre.

The **AMG5711R** is designed to plug into an **AMG2005** or **AMG2009** subrack, which in turn fits into a 19" rack system.

The **AMG5711R** is designed to operate with an **AMG5712 / AMG5712R** single channel or **AMG5722 / AMG5722R** dual channel video receive unit in a point to point configuration. The R suffix in the partno. indicates a rackmount configuration.

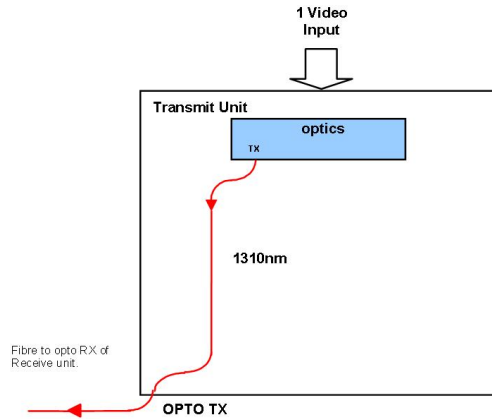
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Introduction

Unit Functional Schematic

The **AMG5711R** transmits 1 video signal to the **AMG5712** receive unit.



Optical Connection

The **AMG5711R** connections are illustrated in the following example which shows a **AMG5711R** transmit unit together with an **AMG5712R** single channel rackmount receive unit configured as a point to point system.

1 Channel Video



Connections

Video Input Connections

No. of channels 1
Connector 75 ohm BNC Socket.
Input Impedance 75 ohm terminated.
Input Level 1 volt p-p nominal
Frequency Response..... 10Hz to 7MHz.

Optical Connections

No. of Optical Connections 1 per video channel
Optical Fibre Singlemode
Connector Type SC/PC

Minimum Optical Launch Power -10dBm
Transmit Wavelength 1310nm

Optical Link Dynamic Range 20dB.

Power Connection

Power supply From plug in connection on the AMG2009 or AMG2015 subrack
Power consumption 1.5 Watts max.

Front Panel Indicators

Power LED Video only

Power / Video / Opto	Green	-	Video input.
	Red	-	Unit powered, no Video input.
	Off	-	No power applied to unit

Physical Information

Dimensions

Height.....3U Plug-in
Width.....7HP
Depth170mm excluding connectors
Weight.....200grams

Mounting Details

The unit is designed to be mounted within an AMG2009 or AMG2015 Subrack on standard card guides.

Safety

AMG Optical Fibre Products use Class 1 laser systems in accordance with EN 60825-2:2000.

It is always advisable to follow good practice when working with optical fibre systems. This includes:

- Do not stare with unprotected eyes or with any unapproved collimating device at fibre ends or connector faces, or point them at other people.
- Use only approved filtered or attenuating viewing aids

For other safety issues and advice on good practice associated with optical fibre systems, please see EN 60825-2:2000 or your local safety officer.

Maintenance and Repair

There are no user serviceable parts within AMG products. See unit data sheet for full specification.

In case of problem or failure, please call your local support centre or contact: **AMG Systems Ltd.** at 3 The Omega Centre, Stratton Business Park, Biggleswade, Beds., SG18 8QB, UK.

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