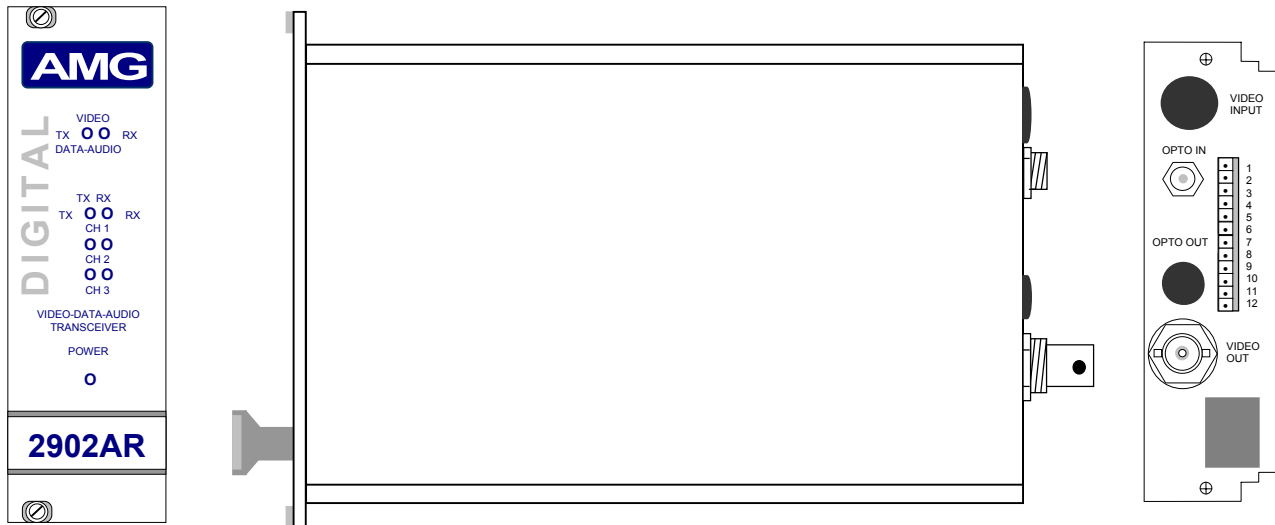




# AMG2902AR Instruction Sheet

**AMG2902AR Rackmount Single Channel Video Only Fibre Optic Receiver for use on Singlemode Optical Fibre**



The AMG2902AR receives a single video signal over a singlemode optical fibre. It is designed to operate with an AMG2901A or AMG2901AR Video Transmitter.

### Video Output Connection

Connectors ..... 75 ohm BNC Socket.  
 Output Impedance ..... 75 ohm terminated.  
 Output Level..... 1 volt p-p nominal  
 Frequency Response..... 10Hz to 5.75MHz min.

### Optical Connection

Connectors..... FC/PC Style  
 Optical Sensitivity ..... -30dBm typ.  
 Wavelength..... 1550nm nominal.

### Power Connection

Power Supply ..... from plug in connection on AMG2000 subrack

## Data Connections

Not Used

## Dimensions

Height..... 3U Plug-in  
Width..... 7HP  
Depth..... 170mm excluding connectors

## Mounting Details

The AMG2902AR is designed to mounted in the AMG2000 Subrack or equivalent

## Indicators

Power.....	Green	–	unit powered
	Off	–	no power applied to unit
Video RX.....	Green	–	optical connection from AMG2901A(R) OK and video signal being received
	Red/Green	–	optical connection from AMG2901A(R) OK no video
	Off	–	optical loss between AMG2902AR and AMG2901A too high

## Safety

The 2900A series of products uses a Class 1 laser system in accordance with EN 60825-2:2000 and as such the optical power emitted from the optical connector is regarded as eye safe under all operating conditions.

However 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 the optical fibres systems see EN 60825-2:2000 or your local safety officer.

There are no user servicable parts within the AMG2902A.

In case of problem or failure contact your local support centre or AMG Systems Ltd, Technical Support Department on tel. +44 (0) 1767 600777.

See unit data sheet for full specification.