

the complete cctv fibre optic solution for multi-mode fibre

video, audio & data
transmission over multimode fibre

Vision™ 2000 series

APPLICATIONS

- Security and Surveillance
- Transportation
- Industrial Sites
- Town and City Centres
- Concierge Installations
- Government Agency Applications
- EMC Test Chamber Viewing Links
- Submersible Vehicles
- Prisons



AM Transmission Format

Lowest cost fibre optic transmission solution for high quality transmission

Built-in Receiver AGC

No installation set up or ongoing maintenance required

Transmission over Multimode Fibre

Allows the use of lowest cost fibre and termination techniques

4km Transmission Range

at 850nm, or 6km at 1300nm

Simultaneous Bi-directional Audio and Data

Transmission Options

Enables remote control of camera functions plus bi-directional audio

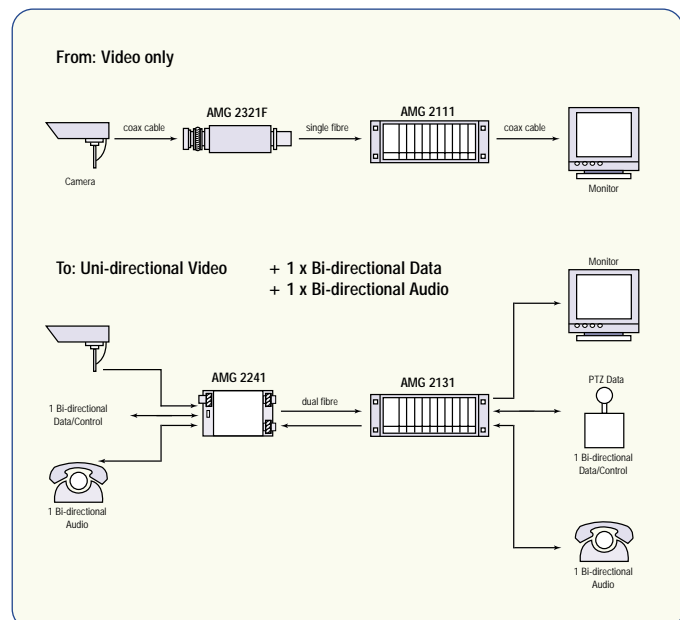
Front Panel LED Status Indicators and Rear Panel I/O Connectors

Clear visibility of system status and ease of system cabling with reduced risk of accidental disruption

Plug in Module and Standalone Module Formats

Enables flexibility in system design, allowing choice of the most cost effective solution

configuration options range



VIDEO ONLY PRODUCTS

Family Number: 2110 Video only Rx's

Part No	Enc. Type	Channel Capacity
2111	Rack	Single
2113	Rack	3 channel

Family Number: 2210 Video only Rx's

2211	Standalone	Single
2213	Standalone	3 channels

Family Number: 2x20 Video only Tx's

2123	Rack	3 channels
2223	Standalone	3 Channels

Family Number: 2320 Video only Tx's

2321F	Miniature	Single
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VIDEO + DATA + AUDIO PRODUCTS

Family Number: 2130 Video Rx + Data Tx/Rx + Audio Tx/Rx

Part No	Enc. Type	Interface Option
2131	Rack	RS422/485/Lon
2132	Rack	RS 232
2133	Rack	20 mA
2134	Rack	TTL
2135	Rack	Contact Closure
2136	Rack	FTT10ALonworks

Standalone video receiver modules are also available.
Eg.2231=vid Rx + audio Tx/Rx + Data Tx/Rx (RS422/485)

Family Number: 2240 Video Tx + Data Tx/Rx + Audio Tx/Rx

2241	Standalone	RS422/485/Lon
2242	Standalone	RS232
2243	Standalone	20mA
2244	Standalone	TTL
2245	Standalone	Contact Closure
2246	Standalone	FTT10ALonworks

Rackmount video Transmitter modules are also available.
Eg.2141=vid Tx + audio Tx/Rx + Data Tx/Rx (RS422/485)

VIDEO + DATA PRODUCTS

Family Number: 2150 Video Rx + Data Tx/Rx

2151	Rack	RS422/485/Lon
2152	Rack	RS 232
2153	Rack	20 mA
2154	Rack	TTL
2155	Rack	Contact Closure
2156	Rack	FTT10ALonworks

Standalone video receiver modules are also available
E.g. 2251=video Rx + data Tx/Rx (RS422/485)

Family Number: 2260 Video Tx + Data Tx/Rx

2261	Standalone	RS422/485/Lon
2262	Standalone	RS 232
2263	Standalone	20 mA
2264	Standalone	TTL
2265	Standalone	Contact Closure
2266	Standalone	FTT10A Lonworks

Rackmount video Transmitter modules are also available.
Eg.2161=vid Tx + Data Tx/Rx (RS422/485)

VIDEO + AUDIO PRODUCTS

Family Number: 2170 Video Rx + Audio Tx/Rx

2175	Rack
2275	Standalone

Family Number: 2280 Video Tx + Audio Tx/Rx

2285	Standalone
2185	Rack

POWER SUPPLIES + SUBRACKS

System 2000 Rack mount Chassis & Power Supply

2000	19" Mount Subrack
BP 2000	Blank Panel (7 hp)

Standalone Power supply

PS2001	Power Supply +15V DC @ 300mA
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Video

input/output level
Input/Output impedance
Frequency Response - 3dB

1V pk to pk nominal 1.5V pk to pk max.
75 Ohm Unbalanced
10 Hz to 10 Mhz min video only. 10 HZ to 5.5 Mhz video/audio/data modules

Differential gain
Differential phase
K Rating
Signal to Noise Ratio

4%
4
2%
50dB

Audio

Input Impedance
Output Impedance
Input level
Output level into 600 Ohm (bal/unbal)
Frequency response
Signal to noise ratio unweighted

47 k Ohm
20 Ohm
2.2 V pk to pk nominal
2.2 V pk to pk nominal
50 Hz to 20 kHz
45dB

Data

Data rates
Data interface options

Up to 156 kB/s
TTL, RS232, RS422, RS485 (2 wire & 4 wire point to point or multi drop internal Tx control) 20mA current loop, Echelon Lonworks + contact closure

Optical

Wavelength
Fibre dimensions
Optical connector type
Path loss

850/1300 nm LED
Multi mode 50/125 upwards
ST
10 dB minimum 50/125 micron fibre
13 dB minimum 62.5/125 fibre

General

Operating Temperature
Operating Humidity
Video connector
Emissions
Mechanical

-15 to +65 C
0 to 95% non condensing
BNC
CE Approved
Standalone or Rack mount modules
miniature video only transmitter (see mechanical data sheet)

Power Supply Requirements

2321F
2200 VTX Modules
2200 VRX Modules

Mini video transmitter + 11V to +16V DC/30mA MAX
+ 12V to + 18V DC/250mA MAX
+ 15V to + 18V DC 250mA MAX

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