6-Channel 3G Video Media Converter & Distribution Amplifier

Integrated Optical/Electrical Distribution Amplifier Simplifies Routing and Coax to Fiber Media Conversion of 3G/HD/SD Digital Video Signals

VMDA-Z Series

Enhanced Video Solutions

Product Overview

The VMDA series is a unique Distribution Amplifier and Video Media Converter, which offers the user the flexibility needed for today's 3G/HD/SD Field Production work.

The VMDA offers user selectable modes for distribution of SMPTE 297M compatible 3G/ HD/SD Traffic. Based on three efficient configurations, this device accommodates situations most common to production work.

User-Selectable Modes:

Mode	Inputs	Outputs
1	1 Fiber	1 Fiber & 6 Coax
2	1 Coax	1 Fiber & 6 Coax
3	1 Fiber	6 Coax
	1 Coax	1 Fiber

To select a mode:

1) Connect power to the VMDA.
2) Push mode button 5 seconds until a mode light blinks.
3) Click the mode button until the chosen mode number light blinks and release.

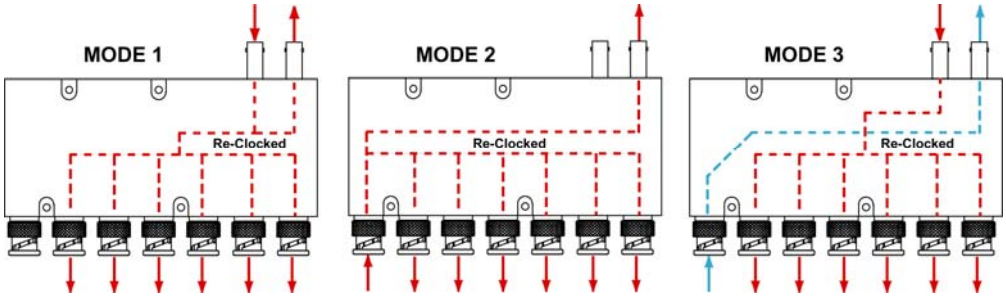
Note: Upon momentary mode button clicks, lit arrows show signal flow. On board memory retains mode selection when power is off. selection even when power is off.

Key Features

- SMPTE 424M Compliant (up to 2.97Gbps)
- SMPTE 297M Optical Interface Compliant
- SMPTE 292M Compliant (Up to 1.485Gbps)
- SMPTE 259M/297M/305M Compatible (Up to 540 Mbps)
- DVB/ASI Compatible
- ATSC/SMPTE 310M Compatible (19.4 to 38.8 Mbps)
- Error Free Pathological Pattern Operation
- BNC Ground isolation > 50 VDC
- All Signals Internally Re-Clocked for Added Signal Integrity
- INPUTS/OUTPUTS

  SMPTE 297M
  One "ST" Singlemode Fiber Input
  One "ST" Singlemode Fiber Output

  SMPTE 292M/259M and DVB/ASI
  One 75 ohm BNC Electrical Video Input
  Six 75 ohm BNC Identical Electrical Video Outputs
- 3 User-Selectable Optical/Electrical Modes with Intuitive LED Indications and Signal Flow Arrows
- Non-Volatile Memory Retains Prior Mode Setting if Power is Interrupted
- Wall Plug Power Supply: 110-240 VAC to 12 VDC with XLR connector (Power supply sold separately) or User Supplied 12 VDC Supply
- RoHS-6 Compliant
- Convenient size yet durable for demanding field use:
  6.8 inch x 4.7 inch x 1.9 inch
  173 mm cm x 119 mm x 48 mm



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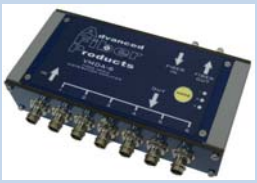
VMDA Ordering Information

 Part Number	Optical Transmit Power (dBm)			Optical Input Power (dBm)		Link Distance
	Minimum	Typical	Maximum	Minimum	Maximum	Minimum
VMDA-P-2-6-Z (1310nm FP TX/PIN RX)	-6	-3.5	-1	3G: -20 HD: -20	-3	3G: 10 km HD: 20 km

Contact factory for lead time for other 1310nm DFB and 1550nm DFB TX and CWDM wavelength TX combinations.

VMDA-P-2-6-Z (1310nm FP TX/PIN RX)
VMDA-P-2M-6-Z (1310nm DFB TX/PIN RX)
VMDA-P-3-6-Z (1550nm DFB TX/PIN RX)
VMDA-P-3-XX-6-Z* (CWDM DFB TX/PIN RX)

*User specified wavelength nm. Specify -XX 2-digit code:
27=1270, 29=1290, 31=1310, 33=1330, 35=1350, 37=1370, 39=1390, 41=1410, 43=1430, 45=1450, 47=1470, 49=1490, 51=1510, 53=1530, 55=1550, 57=1570, 59=1590, 61=1610 nm

Shipping Dimensions	16.25 x 11.25 x 4.25 inch 41 x 29 x 11cm
Shipping Weight	2.7 lb 1.2 kg

Wall Plug Power Supply Ordering Information (Sold Separately.)

 Part Number	Input Voltage	Output Voltage	Output Current	Connector Type	Power Supply Plug Type
PS-12-2-XLR-D	100V to 240V	12VDC	2A	4-Pin XLR Female	N. America
PS-12-2-XLR-E	100V to 240V	12VDC	2A	4-Pin XLR Female	Europe
PS-12-2-XLR-U	100V to 240V	12VDC	2A	4-Pin XLR Female	UK
Shipping Dimensions	16.25 x 11.25 x 4.25 in 41 x 29 x 11 cm				
Shipping Weight	1.6 lb 726 g				

Advanced Fiber Products, LLC (AFP-US) develops and manufactures active optical devices engineered and packaged to withstand the rigors of broadcast production and many industrial environments. The devices are designed to convert signals from electrical to optical domain, aggregate, multiplex and de-multiplex them and provide transmission via ruggedized cabling solutions. AFP also offers a wide range of ancillary components in addition to specialized fiber assemblies related to high performance optical hermeticity, laser-to-fiber or fiber-to-detector delivery and integration into complete packaging solutions. AFP-US located near Chicago, Illinois, USA is a wholly owned subsidiary of Advanced Fiber Products Ltd. (AFP). The company is headquartered at Haverhill, near Cambridge in the United Kingdom.

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