

-PRELIMINARY PRODUCT SHEET- VMDA Series

Integrated Optical/Electrical Distribution Amplifier Simplifies Routing and Coax to Fiber Media Conversion of HD digital Video Signals



Product Overview

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

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

User-Selectable Modes:

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

To select a mode:

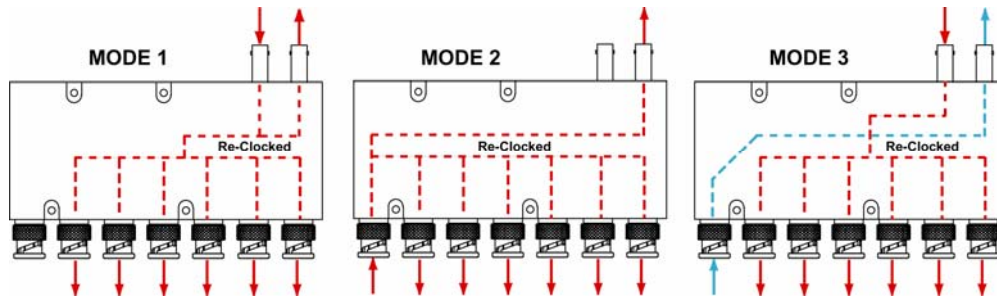
- 1) Connect power to the VMDA.
- 2) Push mode button 5 seconds until a mode light blinks.
- 3) Click the mode button until the chosen mode number light blinks and release.

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


Key Features

- HD-SDI SMPTE 292M/297M/259M/305M/310M and DVI/ASI Compatible
- 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" Single mode Fiber Input
 - One "ST" Single mode 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
- Optional Web Enabled Ethernet Port for Mode Control
- Wall Plug Power Supply: XLR (sold separately) or User Supplied 12V Battery Supply
- RoHS-6 Compliant
- Convenient size: 6.8 inch x 4.7 inch x 1.9 inch
174 mm x 119 mm x 49 mm
yet durable for demanding field use

User-Selectable Modes:




VMDA Ordering Information

 Part Number	Optical Transmit Power (dBm)			Optical Input Power (dBm)		Link Distance		Shipping Dimensions	Shipping Weight
	Min	Typ	Max	Min	Max	Min	Typ		
VMDA-H-2-6-Z (1310nm FP Tx/PIN Rx)	-9	-6	-3	-20	-1	16km (10mi)	33km (21mi)	16.25 x 11.25 x 4.25 in 41 x 29 x 11 cm	2.7 lb 636 g
VMDA-H-2M-6-Z (1310nm DFB Tx/PIN Rx)	0	+1.5	+3	-23	-1	42km (26mi)	52km (33mi)		
VMDA-H-2L-6-Z (1310nm DFB Tx/APD Rx)	0	+1.5	+3	-30	-9	67km (42mi)	77km (48mi)		
VMDA-H-3-6-Z (1550nm DFB Tx/PIN Rx)	0	+1.5	+3	-23	-1	60km (38mi)	70km (44mi)		
VMDA-H-3L-6-Z (1550nm DFB Tx/APD Rx)	0	+1.5	+3	-30	-9	82km (51mi)	82km (51mi)		
VMDA-H-2-6-XX-Z* (CWDM Tx/PIN Rx)	0	+1.5	+3	-23	-1	47km (29mi)	58km (36mi)		
VMDA-H-2-6-XX-Z* (CWDM Tx/APD Rx)	0	+1.5	+3	-30	-9	67km (42mi)	69km (43mi)		

* 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=1610nm

Wall Plug Power Supply Ordering Information (Sold Separately)

 Part Number	Input Voltage		Output Voltage	Output Current	Connector Type	Power Supply Type	Shipping Dimensions	Shipping Weight
	Min	Max						
PS-12-2-XLR-D	100V	240V	12V	2A	XLR	N. America	16.25 x 11.25 x 4.25 in 41 x 29 x 11 cm	1.6 lb 386 g
PS-12-2-XLR-A	100V	240V	12V	2A	XLR	Australia		
PS-12-2-XLR-U	100V	240V	12V	2A	XLR	U.K.		
PS-12-2-XLR-E	100V	240V	12V	2A	XLR	Europe		

Product information is subject to change without notice. Contact Stratos for current product information.

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Connectivity Solutions

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