

# Battery Powered 4-Channel CWDM 3G/HD/SD Multiplexer/ Demultiplexer Video Media Converter Pack — PRELIMINARY

Enhanced  
Video  
Solutions

Four 3G/HD/SD Video Channels  
over a Single Fiber

## VMCP-4MC CWDM Series



Use with MVMC or MC<sup>2</sup>  
Video Media Converters  
(Sold Separately)

### MVMC Series



### MC<sup>2</sup> Series



See Part Numbers on Page 2 for Media Converter Compatibility



## Product Overview

The 4-Channel CWDM Video Media Converter Pack is used in field production, outside broadcast trucks, cable broadcasting networks, studio infrastructure links or anywhere AC power is hard to obtain.

The power to the VMCP-4MC can be supplied via QR-GOLD Anton Bauer™ compatible battery mounting bracket with 4-pin XLR power cable, 12VDC wall plug or customer provided 12VDC power supply.

The VMCP-4 CWDM Converter Packs are capable of providing worst-case minimum link distance ranging from 41 km (25 mi) and up depending on MVMC or MC2 modules used.

## Key Features

- Up to 4 channels in directions of choice. I.E. Bi-Directional Operation is Possible over a single fiber. (Single-mode fiber)
- Custom Configurable with any Combination of Transmit/Receive BNC-to-Fiber video media converter modules with Transmit wavelengths 1510nm, 1530nm 1550nm and 1570nm. No wavelength duplication allowed. See Part Numbers on page 2 for media converter compatibility. (MVMC mini video media converters and MC2 video media converters are sold separately.)
- Battery (via QR-GOLD Anton Bauer™ mount) or User Supplied 12VDC Power Supply
- RoHS-6 Compliant
- 4x 75 ohm Single Ended Female-to-Female BNC Bulkhead Connectors for Electrical Inputs/Outputs
- One "ST" Singlemode Fiber Interface (Contact factory for other fiber connector options.)
- Top Panel Transmit/Receive LED Indications through window
- 7.2W Maximum Power Dissipation
- 20 Hours Typical Battery Run Time. (Assumes a 160 Watt-Hour Rated Battery is used. Run time depends on battery chosen.)

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VMCP-4M CWDM Series  
Product Sheet Rev 10203.01

in England and Wales Registra-

## Battery Powered 4-Channel CWDM 3G/HD/SD Multiplexer/ Demultiplexer Video Media Converter Pack — PRELIMINARY

### VMCP-4MC ORDERING INFORMATION (Contact factory for other fiber connector options.)

Part Number	Description
	
<b>VMCP-4MC-S (for MC2 ONLY)</b> <b>VMCP-4MC-S-DC (for MC2 &amp; MVMC)</b>	Pack with 1 ST Bulkhead Connector and Anton Bauer Battery Mount
<b>VMCP-4MC-S-N (for MC2 ONLY)</b> <b>VMCP-4MC-S-N-DC (for MC2 &amp; MVMC)</b>	Pack with 1 ST Bulkhead Connector and No Anton Bauer Battery Mount
<b>Shipping Dimensions</b>	16.25 x 11.25 x 8.75 inch      41 x 29 x 22 cm
<b>Shipping Weight</b>	7.1 lb      3.2 kg

Use with 12VDC Wall Power Supply (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

Use with MC2 Video Media Converters or MVMC, Miniature Video Media Converters . (Sold Separately.)  
See separate MC2 or MVMC Product Sheet for full line of video media converter transmitters and receivers.


Transmitter	Receiver Part Number		Shipping Dimension and Weight (each)			
	MVMC-R-P-2 or MC2-R-P-2 3G/HD/SD 1260-1620nm PIN Pre-Amp Receiver					
MC2 or MVMC 	Optical Transmit Power (dBm)			Receiver Optical Input Power (dBm)	Link Distance	
Part Number	Min	Typ	Max	Min / Max	Min / Typ	
<b>MC2-T-P-51 or MVMC-T-P-51</b> 3G/HD/SD 1510 nm CWDM Laser	0	+1.5	+3	-20 / 0	@2.97 Gbps 35 / 50 km 22 / 31 mi	16.25 x 11.25 x 4.25 inch 41 x 29 x 11 cm
<b>MC2-T-P-53 or MVMC-T-P-53</b> 3G/HD/SD 1530 nm CWDM Laser						1.0 lb
<b>MC2-T-P-55 or MVMC-T-P-55</b> 3G/HD/SD 1550 nm CWDM Laser						454 g
<b>MC2-T-P-57 or MVMC-T-P-57</b> 3G/HD/SD 1570 nm CWDM Laser						

Chart Abbreviations: Max = Maximum, Min = Minimum (worst case), Typ = Typical.

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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