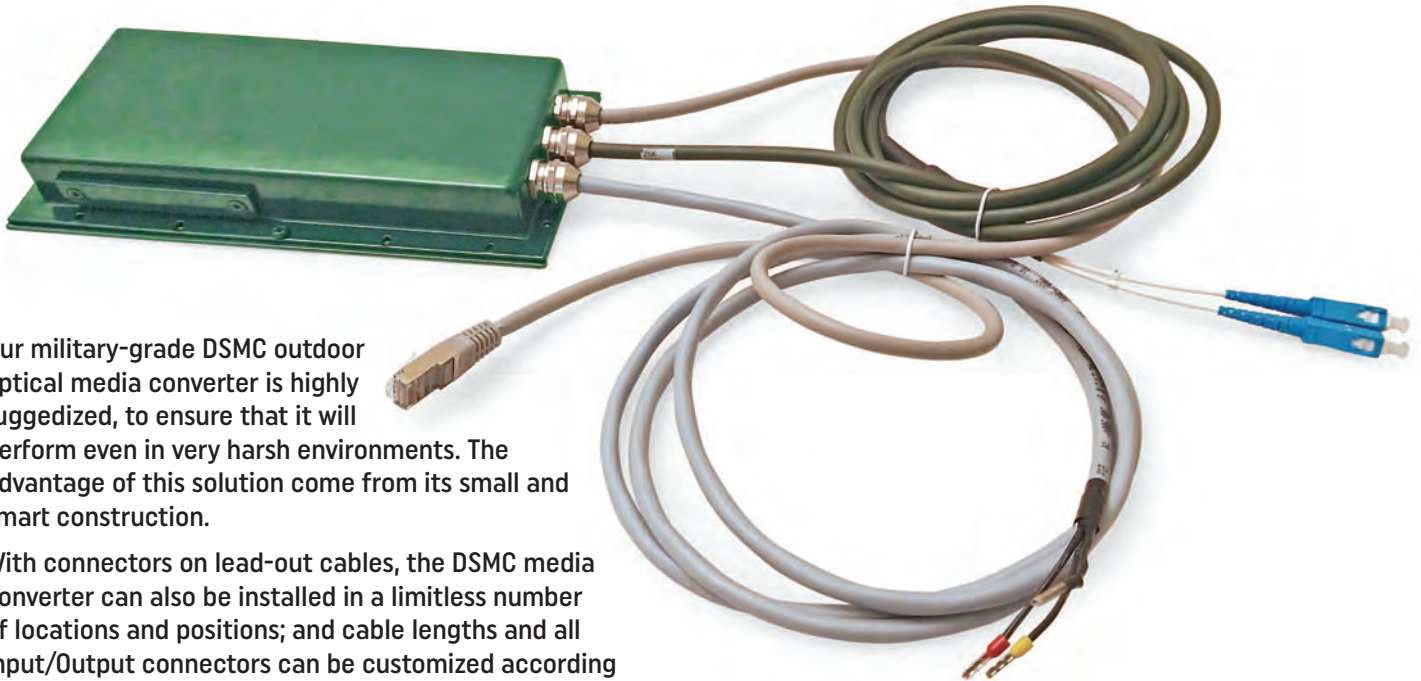


# DSMC Military-Grade Media Converter



Our military-grade DSMC outdoor optical media converter is highly ruggedized, to ensure that it will perform even in very harsh environments. The advantage of this solution come from its small and smart construction.

With connectors on lead-out cables, the DSMC media converter can also be installed in a limitless number of locations and positions; and cable lengths and all Input/Output connectors can be customized according to the customer requirement.

## DSMC HAS 3 PORT TERMINATIONS:

1

A waterproof RJ-45 copper connector on shielded cable  
- 10/100/1000BASE-T  
Half/Full-Duplex

2

Waterproof optic fiber connector HMA (TFOCA, Full AX, ODVA etc.) on multimode or singlemode dual fiber  
- Gigabit Ethernet fiber and supports 1000BASE-X standards

3

DC power supply 10V DC to 60V DC on special shielded cable

## Features

- Produced under MIL-DTL-83526/20/2, in accordance with NATO standards
- Protection IP67
- Robust ruggedized construction of 1.5 mm stainless steel bent and welded sheet metal
- Baked-on, powder-coated surface finish (RAL6070, can be selected in RAL scale)
- Sealed door for mode selection control switches
- Supports QoS, Port Access Control and MIB statistics
- VLAN with 802.1ad Q-in-Q
- Bandwidth control (rate limiting) in 64Kb increments
- Lifetime warranty

## Applications

- Military and tactical communications
- Petroleum and chemical facilities
- Mining equipment & operations
- Marine and rail transportation
- Temporary field installations

## Specifications

Standard Compliances	IEEE 802.3, 802.1Q, 802.1p, 802.1ad RFC 2819 (RMON)	
Regulatory Compliances	UL, CE, FCC Class A, RoHS2 (6/6), WEEE, REACH	
Frame Size	Up to 10,240 bytes	
Port Types	Copper	10/100/1000BASE-T (RJ-45)
	Fiber	1000BASE-SX, MM, 850 nm, 550 m
		1000BASE-SX, MM, 1300 nm, 2 km 1000BASE-LX, SM, 1310 nm, 10 km
Cable Types	Copper	EIA/TIA 568A/B, Cat 5 UTP and higher
	Fiber	Multimode: 50/125 µm, 62.5/125 µm Singlemode: 09/125 µm
DC Power Requirements	DC Input	10 - 60V DC, 0.7 A max, 2-pin terminal (non-isolated)
Dimensions (W x D x H)	100 mm x 214.5 mm x 26 mm	
Weight	Standalone w/o Adapter	0.85 kg
Temperature	Operation	-40 to 60°C
	Storage	-40 to 70°C
Humidity	5 to 95% (non-condensing)	
Altitude	-100 m to 4,000 m	
MTBF (hrs.)	Standalone w/o Adapter	722000

## ORDERING CODES

### DSMC: Military-Grade Media Converter

DS	MC	-	✓	✓	-	✓	-	???	-	???	-	???	
													<b>Uplink Fiber Type</b>
	M1		85										Multimode 62.5/125 µm OM1, 850 nm
	M1		13										Multimode 62.5/125 µm OM1, 1300 nm
	M2		85										Multimode 50/125 µm OM2, 850 nm
	M1		13										Multimode 50/125 µm OM2, 1300 nm
	S1		31										Singlemode 09/125 µm OS2, 1310 nm
													<b>Uplink Connectors</b>
						H2							Expanded Beam HMA, 2 channels
						CS							Customer Specified
						NC							No Connectors
													<b>Cable Lengths (m)</b>
								20					Fiber
									20				Copper
										5			Power Cord
Example													
<b>DS</b>	<b>MC</b>	<b>-</b>	<b>S1</b>	<b>31</b>	<b>-</b>	<b>H2</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>5</b>	Military-grade media convertor, singlemode OS2, 1310 nm uplink fiber, 2-channel HMA connector, 20 m fiber length, 20 m copper length, 5 m power cord