

Canare EO/OE Converter

Canare's answer for HD-SDI distribution. Canare EO/OE modules feature low jitter, low power consumption, and significantly reduced size and weight. Support multi format such as HD-SDI, SD-SDI and DVB-ASI.

Model	Description
EO-100	Electric to Optic Converter
EO-100A-**	Electric to Optic Converter for CWDM
OE-101	Optic to Electric Converter

Key Features and Benefits

- SMPTE 259M and 292M
- Handles Pathological Test Pattern
- Multi Format - supports HD-SDI, SD-SDI and DVB-ASI
- EO-100A-** enables 8/16ch in one fiber
- Embedded Audio Capable
- Easy to use - just plug in BNC and Fiber connector
- Compact Design - Maximum 16 modules within 1RU
- Cost Effective

Specifications

Model	EO-100	EO-100A	OE-101
Convertibility	Electric to Optic		Optic to Electric
Transmission Rate	HD-SDI: 1.485GBPS, 1.485/1.001GBPS		
	SD-SDI: 143Mbps, 177Mbps, 270Mbps, 360Mbps, 540Mbps		
	DVB-ASI: 270Mbps (Disables for SD-SDI 177Mbps)		
LD/PD	FP-LD	DFB-LD	PIN-PD
Wavelength	1310nm	1271 to 1611nm	1261 to 1620nm
Emission/Sensitivity	-7.8±0.3dBm	-2.5±0.5dBm	-20dBm
Interface Connector	Electric: 1x 75 Ω BNC, Optic: 1x SC (Single Mode)		
Compliances	SMPTE 259M and 292M, DVB-ASI N 50083-9, ARIB BTA S-004B		
	CE, RoHS (Effective from July 2006)		
	FCC Part15Class A, FDA 21 CFR Part1040.10,11 Class I		
	IEC 60825-1 CLASS 1 LASER		
Power Req., Consump.	DC5V, 1.8W		
Operating Temperature	0 to 40°C		
Dimensions	17x 43.4x 79.2mm		
Weight	58g		55g

CWDM Mux/Demux

Canare CW series is bi-directional Mux/DeMux of up to 16 wavelengths. You can send/receive 16ch of HD-SDI signals in one fiber. Incredibly compact module FCWDM-8 enables 8 EO/OE modules and CWDM within 1RU frame.

Model	Description
FCWDM-8	Module Type for 161UPSA, 1x 8CWDM
081U-CW	1RU Rack Mount Type, 1x 8CWDM
081U-CW2	1RU Rack Mount Type, 2x 8CWDM
161U-CW	1RU Rack Mount Type, 1x 16CWDM

Key Features and Benefits

- Bi-directional 8 or 16 wavelengths
- 8EO/OE and 8CWDM within 1RU
- Easy to use
- Cost Effective

Specifications

Model	FCWDM-8	081U-CW(2)	161U-CW
Wavelength	1471 to 1611nm		1271nm to 1611nm
Channel Spacing	20nm		except for 1372 to 1431nm
Insertion Loss	<2.5dB		
Isolation	>30dB		
Reflection Attenuation	≥45dB		
Operating Temperature	0 to 70°C		
Dimensions	146x 43.4x 82mm	482.6x 44x 350mm	
Weight	255g	2410g	2550g



Ordering Information

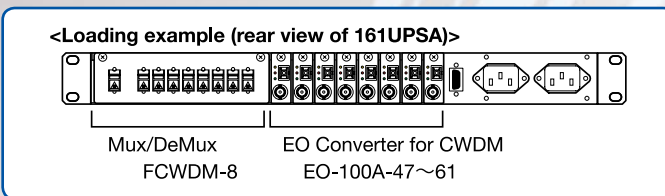
EO - 100A - 47

Convertibility Type		Wavelength (EO-100A Only)			
EO	Electric to Optic	47	1471nm	27	1271nm
OE	Optic to Electric	49	1491nm	29	1291nm
		51	1511nm	31	1311nm
		53	1531nm	33	1331nm
		55	1551nm	35	1351nm
		57	1571nm	37	1371nm
		59	1591nm	43	1431nm
		61	1611nm	45	1451nm

LD/PD Type	
100	FP-LD
100A	DFP-LD
101	PIN-PD



FCWDM-8



081U-CW