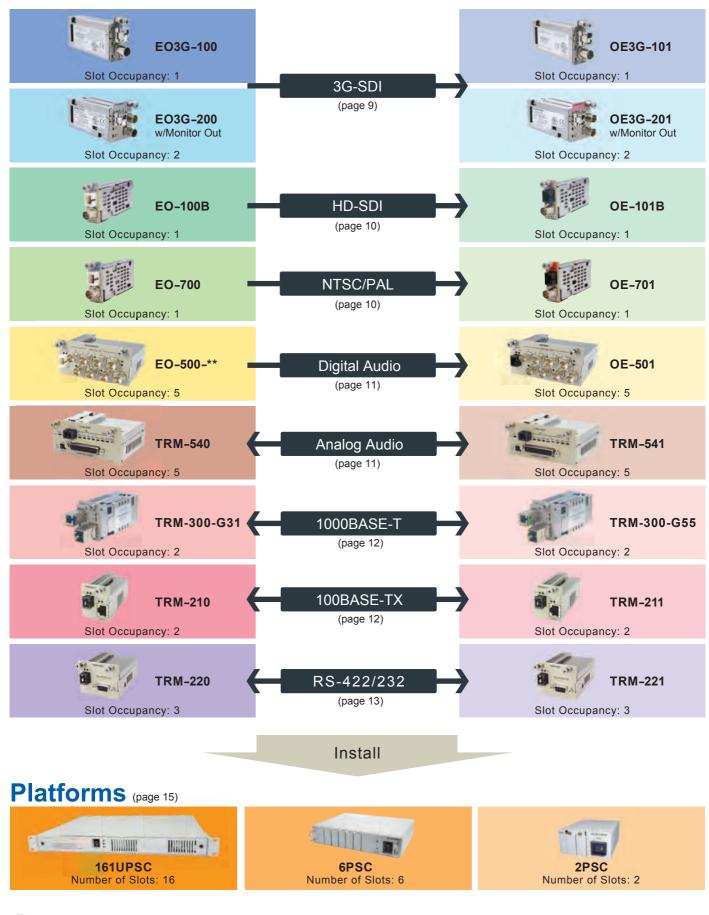
Overview

EO/OE Converter Line-up

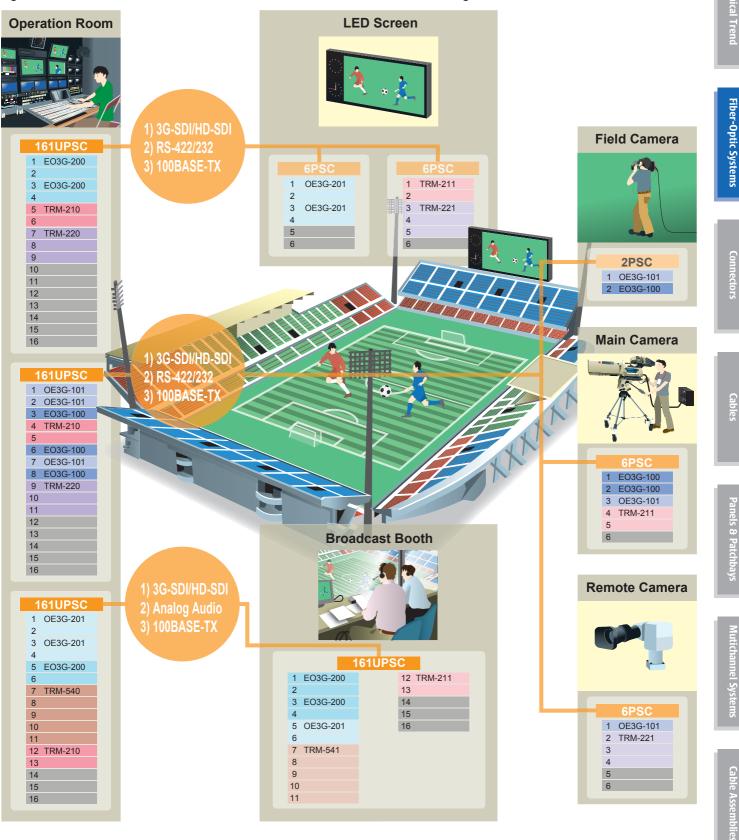
Canare's EO/OE product line-up has expanded. A large variety of signals can be sent over fiber-optic cables with a simple set-up. Canare EO/OE will break your system free from distance limitations, signal delays, and noise problems.



Overview

Welcome to a Canare EO/OE Stadium

Please take a look at how a Canare EO/OE system fits perfectly in a modern stadium that handles variety of signal formats such as 3G-SDI/HD-SDI, RS-422/232, 100BASE-TX, and analog audio.



Canare EO/OE products offer smart solutions to stadium or arena AV systems which require broadcast quality video, audio, and data signals. Plug-and-play modular style optical converters can be easily installed. Fiber optic cable based distribution has many advantages, such as long distance transmission, low latency, noise free, and much more!

Cables

Overview

Wavelength Multiplexing Systems

Multiplexing

"Multiplexing" is a technology that allows multiple signals with different wavelengths to be transmitted together over a single optical fiber. Three general types of multiplexing — WDM, CWDM and DWDM — offer increasing signal-carrying capacities, as described below.

Wavelength Division Multiplexing (WDM)

WDM is the simplest form of multiplexing and uses two wavelengths of 1310nm and 1551nm. Unlike when using and optical divider, insertion loss can be kept below 0.5dB.

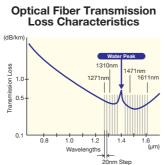
Coarse Wavelength Division Multiplexing (CWDM)

CWDM systems use 8 wavelengths (20nm grid) primarily between 1471nm and 1611nm. To these it is also possible to add 8 more between 1271nm and 1451nm to allow a maximum of 16 wavelengths to be carried as a single multiplexed transmission. An ultra-thin membrane filter on the optical multiplexer/demultiplexer (mux/demux) keeps insertion loss at just 2-3dB. *CWDM standardized through ITU G695.

Optical Converter (TX for CWDM)

Canare's CWDM optical converter uses a DFB laser, which offers a much tighter spectrum than FP lasers. Up to 16 different wavelengths fall within

1271nm and 1611 nm in 20nm intervals. The wavelengths in the 20nm grid between 1391nm and 1411nm are not used because their proximity to the water peak results in too much attenuation.



Optical Multiplexer/Demultiplexers

The optical signals output from the optical converter (TX) are combined into a single signal by the multiplexer (mux) and transmitted along a single optical fiber. At the receiving end, these combined optical signals are demultiplexed (demux) to split them back into their original component 8 signals.

Optical mux/demuxers are bi-directional, so the same model can be used for transmitting and receiving on each end. It's also possible to use 4 wavelengths out of the 8 for transmitting and the remaining four for receiving. Both 8-wavelength and 16-wavelength models are available, and combining these with an optical converter allows a variety of system constructions with many uses.

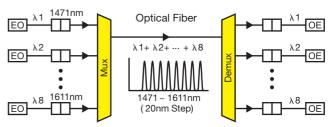
Optical Converter (RX)

Canare's optical converter (RX) converts an optical signal comprised of 8 different wavelengths into electrical signals. This converter is common to all wavelengths and one converter is required for each wavelength.

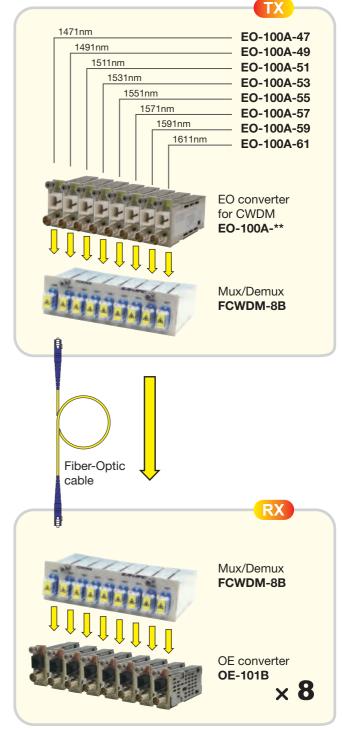
Once optical fiber cables have been laid, multiplexing the transmissions carried on them eliminates the need to purchase and install new cables when more transmission lines are needed.

Eight Canare optical converters and an FCWDM-8B mux/demuxer can be installed compactly on a single 161UPSC 1RU-size platform, effectively allowing an 8-wavelength transmission system to be achieved in just 1RU of space.

Multiplexing (CWDM)



8-wavelength CWDM system example



Note: Please use with Canare platform.

8

3G-SDI EO/OE Converters

Canare E03G/0E3G series, the new line of 3G-SDI capable optical converters are ideal for applications that require the signal quality and integrity to be at its best over long distance transmissions such as in mobile productions, event venues, and within or between broadcast facilities.

Electric to Optic Converter (TX)

Model	Wavelength	Emission	Monitor Out	Occupancy
EO3G-100	1310 nm	1310 nm -5 dBm		1 slot
EO3G-200	13101111	-3 UDIII	Yes	2 slots
EO3G-100A-**	1271-1611 nm for CWDM*	+2.5 dBm	No	1 slot

*Refer to the following information to specify the wavelength and the model number.

Optic to Electric Converter (RX)

Model	Wavelength	Sensitivity	Monitor Out	Occupancy
OE3G-101	1000 1000	-22 dBm	No	1 slot
OE3G-201	1200-1620 nm	-22 UDIII	Yes	2 slot

Key Features and Benefits

- Multi format 3G-SDI, HD-SDI, SD-SDI, and DVB-ASI
- E03G-200 and 0E3G-201 are equipped with Monitor output port.
- Super low-latency
- Compact size
- Easy to use; requires no complicated settings.
- Supports pathological test pattern
- Cost effective

Specifications

Model	EO3G-100 EO3G-200 EO3G-100A			OE3G-101	OE3G-201
Convertibility		Electric to Opti	0	Optic to	Electric
Optical		1 x LC (output)		1 1 1 0	(input)
Connector				1 x LC (input)	
Fiber Type	Single Mode				
SDI Input	1 x 75 Ω BNC 1 x 75 Ω BNC 1 x 75 Ω BNC		N/A	N/A	
SDI Output	N/A	1 x 75 Ω BNC (no-reclocked)	N/A	1 x 75 Ω BNC	2 x 75 Ω BNC
Dimensions (mm)	17 x 43.4 x 78.4	35.5 x 43.4 x 78 17 x 43.4 x 78.4		17 x 43.4 x 78.4	35.5 x 43.4 x 78
Weight (approx.)	100 g	100 g 150 g 95 g			150 g
Typical Compliances	SMPTE 259M, 292M, 297-2006, 424M, EN50083-9				

3G-SDI Repeater

Equalizes and reclocks 3G/HD/SD-SDI signals to extend the transmission distance over a coaxial cable.

Model	Support Formats/Rates	Occupancy
EE3G-100	3G-SDI, HD-SDI, SD-SDI, DVB-ASI	1 slot

Key Features and Benefits

- Typical cable equalization: 100 m of L-5CFB in 3G-SDI
- Supports 3G/HD/SD-SDI and DVB-ASI
- Passes embedded audio
- Allows for efficient use of existing cable infrastructure.

Cnosifications

Specifications				
I/O Connector		2 x 75 Ω BNC		
Typical Compliances	SMPTE 42	24M, 292M, 259M, EN	150083-9	
Example of Use	Before Transmission	L-5CFB	After Transmission	R
		20 SDL 100m		

Camera







EO3G-100 (TX)

EO3G-200 (TX with Monitor Output)





OE3G-101 (RX)

(RX with Monitor Output)



Ordering Information for E03G-100A-**					
E03G-100A- 27 —	Wave	length			
	27	1271 nm		47	1471
*	29	1291 nm		49	1491
	31	1311 nm		51	1511
2	33	1331 nm		53	1531
	35	1351 nm		55	1551

37 1371 nm

43 45 1451 nm

1431 nm

EO3G-100A-** (TX)



Dimensions : 17 x 43.4 x 78.4 mm Weight: 85g



Note: Platform (power supply) is required to use Canare converters (see page15).

nm nm nm nm nm

57 1571 nm

59 1591 nm

61 | 1611 nm

Fiber-Optic Systems

Fiber-Optic Systems

EO/OE Converters

HD-SDI EO/OE Converters

Electric to Optic Converters (TX)

Model	Wavelength	Emission	Reclocker	Occupancy
EO-100B	1210 nm	2.E.dDm	Yes	
EO-160	1310 nm	-3.5 dBm	N/A	1 slot
EO-100A-**	1271-1611 nm for CWDM*	-2.5 dBm	Yes	1 3101

*Refer to the following information to specify the wavelength and the model number.

Optic to Electric Converters (RX)

Model	Wavelength	Sensitivity	Reclocker	Occupancy
OE-101B	1200-1620nm	-24 dBm	Yes	1 alat
OE-151	1200-16201111	-24 UDIII	N/A	1 slot

Key Features and Benefits

- Multi format HD-SDI (up to 1.485 Gbps), SD-SDI and DVB-ASI
- Embedded audio capable
- Handles pathological test pattern
- No-reclocker models support wide bit rate range. (50 Mbps to 1485 Mbps)
- Compact design Maximum 16 mudules within 1RU
- Hot swappable
- Cost effective
- Easy to use BNC and SC-type connector.

Specifications

Model	EO-100B, EO-160	EO-100A-**	OE-101B, OE-151	
Convertibility	Electric to 0	ptic	Optic to Electric	
Fiber Type	Single Mode			
Optical Connector	1 x SC (out	1 x SC (input)		
SDI Connector	1 x 75 Ω BNC (input)		1 x 75 Ω BNC (output)	
Dimensions	17 x 43.4 x 78.4 mm			
Weight	77 g 58 g		77 g	
Typical Compliances	SMPTE 259M, 292M, 297-2006, EN50083-9			

Analog Video Optical Converters

Model	Wavelength	Emission	Sensitivity	Occupancy
EO-700	1310 nm	-3.5 dBm	N/A	
EO-700A-**	1471-1611 nm for CWDM*	-2.5 dBm	2.5 dBm N/A	
OE-701	1200-1620 nm	N/A	-26 dBm	

*Refer to the following information to specify the wavelength and the model number.

Key Features and Benefits

- Supports both NTSC and PAL video signals.
- Tri-level sync can be transmitted.
- SNR: 60 dB, Bandwidth: 6 MHz

Specifications

•				
Model	EO-700, EO-700A	OE-701		
Convertibility	Electric to Optic (TX)	Optic to Electric (RX)		
Fiber Type	Single Mode			
Optical Connector	1 x SC (output)	1 x SC (input)		
Video Connector	1 x 75 Ω BNC (input)	1 x 75 Ω BNC (output)		
Dimensions	17 x 43.4 x 78.4 mm			
Weight	84 g			
Typical Compliances	SMPTE 170M,	ITU-R BT.470		





Ordering Information for E0100A-**

Wave	length		
27	1271nm	47	1471nm
29	1291nm	49	1491nm
31	1311nm	51	1511nm
33	1331nm	53	1531nm
35	1351nm	55	1551nm
37	1371nm	57	1571nm
43	1431nm	59	1591nm
45	1451nm	61	1611nm





OE-701

Ordering Information for EO-700A-**

EO-700A- 47 — Wavelength			
	47	1471 nm	
	49	1491 nm	
	51	1511 nm	
	53	1531 nm	
	55	1551 nm	
	57	1571 nm	
	59	1591 nm	
	61	1611 nm	

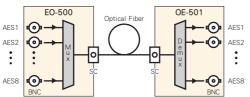
AES 3id Optical Converters

Model	Wavelength	Emission	Sensitivity	Occupancy
EO-500-**	1471-1611 nm for CWDM*	-3 dBm	N/A	5 slots
OE-501	1200-1620 nm	N/A	-26 dBm	

* Refer to the following information to specify the wavelength.

Key Features and Benefits

- Multiplex and optically convert AES signals from up to 8 ports (16 audio channels) to allow them to be transmitted over long distance.
- Supports 8 wavelengths CWDM; enables max. 64 ports (128 audio channels) signals to transmit over a single optical fiber.
- AES-3id-1995 and SMPTE 276M
- Fully asynchronous multiplex transmission.
- Word clock can be transmitted (30kHz to 50kHz).
- Dolby-E compatible



Specifications

Model	EO-500-**	OE-501	
Convertibility	Electric to Optic	Optic to Electric	
Fiber Type	Single Mode		
Optic Connector	1 x SC (output) 1 x SC (input)		
AES I/O Connector	8 x 75Ω BNC (input) 8 x 75Ω BNC (output)		
Dimensions	91 x 43.4 x 76.2 mm		
Weight	174 g		
Typical Compliances	AES-3id-1995, SMPTE 276M		

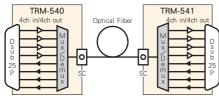
Analog Audio Optical Converters

Model	Wavelength	Occupancy	Remark
TRM-540	1310 nm		Work with TRM-541.
TRM-541	1550 nm	5 slots	Work with TRM-540.
TRM-540A-**	1471-1611 nm for CWDM (*1)	0 01010	Work with TRM-540A-** of a different wavelength (*2).

*1) Refer to the following information to specify the wavelength and the model number.) *2) TRM-540A-** does not work with TRM-540 or TRM-541.

Key Features and Benefits

- Enables line level audio signals to transmit long distance over a fiberoptic cable.
- 8 channel transmission (4-channel inputs/4-channel outputs)
- Maximum input/output voltage: +24 dBu (balanced)
- Supports 600 ohm input by each channel with selector switches.



Block Diagram of TRM-540 and TRM541

Specifications

Model	TRM-540, TRM-541	TRM-540A-**	
Fiber Type	Single Mode		
Optic I/O Connector	1 x SC 2 x LC		
Audio I/O Connector	1x D sub 25 pin (F)		
Frequency Response	20 Hz - 40 kHz (-3 dB, +0.1 dB)		
Dimensions	91 x 43.4 x 78.4 mm		
Weight	265 g		



Ordering Information for EO-500-**

47 1471 nm 49 1491 nm 51 1511 nm 53 1531 nm 55 1551 nm 57 1571 nm 59 1591 nm	E0-500- 47 —	Wave	length
51 1511 nm 53 1531 nm 55 1551 nm 57 1571 nm		47	1471 nm
53 1531 nm 55 1551 nm 57 1571 nm		49	1491 nm
55 1551 nm 57 1571 nm		51	1511 nm
57 1571 nm		53	1531 nm
		55	1551 nm
50 1501 nm		57	1571 nm
39 13911111		59	1591 nm
61 1611 nm		61	1611 nm



Ordering Information for TRM-540A-**

TRM-540A-

47 — Wavelength			
	47	1471 nm	
	49	1491 nm	
	51	1511 nm	
	53	1531 nm	
	55	1551 nm	
	57	1571 nm	
	59	1591 nm	
	61	1611 nm	

Note: Platform (power supply) is required to use Canare converters (see page15).

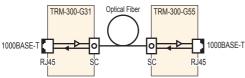
1000BASE-T Optical Converters

Model	Wavelength	Occupancy	Remark
TRM-300-G31	1310 nm		Work with TRM-300-G55.
TRM-300-G55	1550 nm	2 slots	Work with TRM-300-G31.
TRM-300A-G**	1471-1611 nm for CWDM (*1)	2 51010	Work with TRM-300A-G** of a different wavelength (*2).

*1) Refer to the following information to specify the wavelength and the model number.
*2) TRM-300A-G** does not work with TRM-300-G31 or TRM-300-G55.

Key Features and Benefits

- Media converters for Gigabit Ethernet 1000BASE-T*
- *No backwards compatibility with other Ethernet standards such as 100BASE-TX.
- Super-low latency: less than 1 micro-second.
- Extends communications up to 20 km (condition: line loss 0.5 dB/km)
- Bi-directional optical communication



Block Diagram of TRM-300-G31 and TRM-300-G55

Specifications

Model	TRM-300-G31, TRM-300-G55 TRM-300A-G*		
Fiber Type	Single Mode		
Optic I/O Connector	1 x SC 2 x LC		
Ethernet I/O Connector	1 x RJ45		
Dimensions	35.5 x 43.4 x 76 mm		
Weight (approx.)	155 g		
Typical Compliances	IEEE 802.3ab (1000BASE-T)		

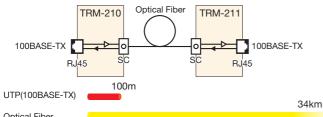
100BASE-TX Optical Converters

Model	Wavelength	Occupancy	Remark
TRM-210	1310 nm		Work with TRM-211.
TRM-211	1550 nm	2 slots	Work with TRM-210.
TRM-210A-**	1471-1611 nm for CWDM (*1)	2 0.010	Work with TRM-210A-** of a different wavelength (*2).

*1) Refer to the following information to specify the wavelength and the model number. *2) TRM-210A-** does not work with TRM-210 or TRM-211.

Key Features and Benefits

- Media converters for Fast Ethernet 100BASE-TX*
 - *No backwards compatibility with other Ethernet standards such as 10BASE-T.
- Auto MDI/MDX
- Extends communications up to 30 km (condition: line loss 0.5 dB/km)
- Bi-directional optical communication



Optical Fiber

Block Diagram of TRM-210 and TRM-211

Specifications

Model	TRM-210, TRM-211 TRM-210A-**		
Fiber Type	Single Mode		
Optic I/O Connector	1 x SC 2 x LC		
Ethernet I/O Connector	1 x RJ45		
Dimensions	35.5 x 43.4 x 76.2 mm		
Weight (approx.)	103 g 110 g		
Typical Compliances	IEEE 802.3u (100BASE-TX)		





TRM-300-G55

Ordering Information for TRM-300A-G**

TRM-300A-G 47 -	Wave	length
	47	1471 nm
	49	1491 nm
	51	1511 nm
	53	1531 nm
	55	1551 nm
	57	1571 nm
	59	1591 nm
	61	1611 nm



TRM-211

Ordering Information for TRM-210A-**

TRM-210A- 47 Wavelength			
	47	1471 nm	
	49	1491 nm	
	51	1511 nm	
	53	1531 nm	
	55	1551 nm	
	57	1571 nm	
	59	1591 nm	
	61	1611 nm	

Note: Platform (power supply) is required to use Canare converters (see page15).

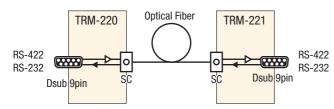
RS-422/RS-232 Optical Converters

Model	Wavelength	Occupancy	Remark
TRM-220	1310 nm		Work with TRM-221.
TRM-221	1550 nm	3 slots	Work with TRM-220.
TRM-220A-**	1471-1611 nm for CWDM (*1)	0 01010	Work with TRM-220A-** of a different wavelength (*2).

*1) Refer to the following information to specify the wavelength and the model number.
*2) TRM-220A-** does not work with TRM-220 or TRM-221.

Key Features and Benefits

- TIA-422, SMPTE 207M, RS-232
- Usable in a case of RS-422 <=> RS-232
- Extends communications up to 30 km (condition: line loss 0.5 dB/km)
- Bi-directional optical communication



Block Diagram of TRM-220 and TRM-221

Specifications

Model	TRM-220, TRM-221	TRM-220A-**	
Fiber Type	Single Mode		
Optic I/O Connector	1 x SC	2 x LC	
Serial I/O Port	1 x Dsub 9 pin (F)		
Max. Data Rate	RS-422: 10 Mbps, RS-232: 1 Mbps		
Dimensions	54 x 43.4 x 76.2 mm		
Weight (approx.)	110 g	120 g	
Typical Compliances	TIA-422, SMPTE 207M, RS-232C		



TRM-221

Ordering Information for TRM-220A-**

TRM-220A- 47 -

 - Wavelength		
47	1471 nm	
49	1491 nm	
51	1511 nm	
53	1531 nm	
55	1551 nm	
57	1571 nm	
59	1591 nm	
61	1611 nm	

Note: Platform (power supply) is required to use Canare converters ((see page15).
--	---------------

More Converters

Model	Occupancy	
TRM-100	3 slots	THM. ICH
TRM-101	5 51015	1

Multiplex and optically convert HD-SDI and RS-485 signal to transmit long distance over a fiber-optic cable. Suited for HD surveillance camera system.



Model	Occupancy	- 1
TRM-400	3 slots	2412
TRM-401	3 SIOLS	TRM-400
Multiplex and optically convert analog video,		ARRENT A

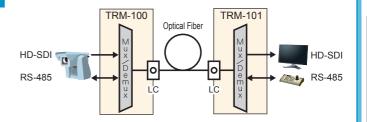
Multiplex a stereo audio, RS-422, and relay signals to transmit long distance over a fiber-optic cable.

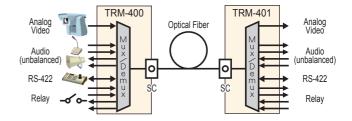


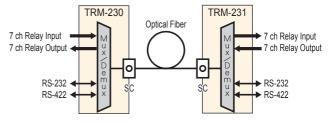
Model	Occupancy
TRM-230	3 slots
TRM-231	5 51015

Multiplex and optically convert 7 of each input/output relay signal and RS-422/232 signals to transmit long distance over a fiberoptic cable.









Note: Platform (power supply) is required to use Canare converters (see page15).

Fiber-Optic Systems

Mux/Demux, Splitter

CWDM Mux/Demux

Slot-in Module Types

Model	Ch.	Wavelengths	Occupancy	
FCWDM-8B	8	1471-1611 nm	9 alata	
FCWDM-8B-13	8	1271-1451 nm	- 8 slots	

Rack Mount Types

Model	Ch.	Wavelengths	Size
FCWDM8/1A	8	1471-1611 nm	
FCWDM8/1A-13	8	1271-1451 nm	
FCWDM8/2A	2 each of 8	2 each of 1471-1611 nm	1RU
FCWDM8/2A-13	2 each of 8	2 each of 1271-1451 nm	
FCWDM16A	16	1271-1611 nm	

Key Features and Benefits

• Bi-directional 8 or 16 wavelengths.

- Passive and stand-alone products.
- Easy to use Just plug in SC-type connectors.
- FCWDM-8B(-13) can be loaded into 161UPSC; enables 8-wavelength CWDM within 1RU frame.

<Loading example (rear view of 161UPSC)>

FCWDM-8B



EO-100A-47~61

Specifications

Model	FCWDM-8B (-13)	FCWDM8/1A (-13)	FCWDM8/2A (-13)	FCWDM16A
Connectors		S	C	
Passband	+/- 6.5 nm (ITU-T G.695)			
Min. Passband Ripple	0.5 dB			
Max. Insertion Loss*	2.0 dB 3.3 dB			3.3 dB
Min. Isolation	30 dB			
Dimensions (mm)	146 x 43.4 x 94.2 482.6 x 44 x 362.3			
Weight (approx.)	210 g	1700 g	1800 g	1890 g
Wavelengths Details (nm)	1271-1451: 1271/1291/1311/1331/1351/1371/1431/1451 1471-1611: 1471/1491/1511/1531/1551/1571/1591/1611			

* Insertion loss includes ripple, PDL, and connector loss

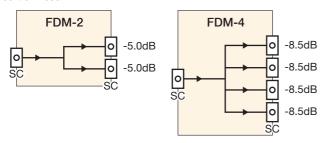
Optical Splitter

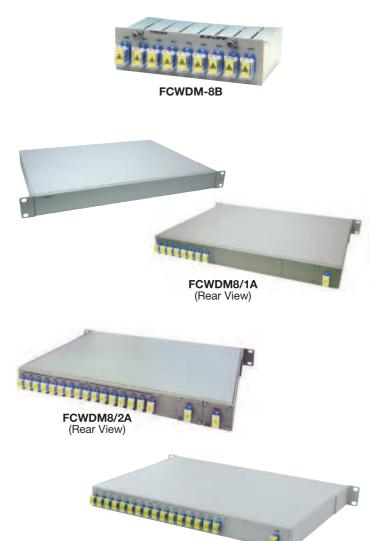
Model	Wayalongth	Description
Iviouei	Wavelength	Description
FDM-2	1261-1611nm	1x2 Splitter for Single Mode Fiber
FDM-4	1201-10111111	1x4 Splitter for Single Mode Fiber

Key Features and Benefits

- Divides single optical input into multiple optical output.
- Passive and stand-alone products.
- Can be loaded into platform for Canare plug-in unit.
- Easy to use Just plug in SC-type connectors.
- Low insertion loss.

Insertion Loss





FCWDM16A (Rear View)



FDM-2

Slot Occupancy : 3 slots Dimensions : 54 x 43.4 x 82 mm Weight : 83g



FDM-4

Slot Occupancy : 4 slots Dimensions : 72 x 43.4 x 82 mm Weight : 110g

Fiber-Optic Systems

Platform, SFP Transceiver

Platform

Power supply for Canare plug-in modules. The robust 1RU rack mountable and space efficient portable types are available.

Model	Description	Number of Slots
161UPSC-**	1RU rack mount type	16
6PSC-**	Portable type	6
2PSC	Palm size	2
PSM2-**	Redundant power supply module for 161UPSC	N/A

* Please fill in the ** using the following Region Code.

Type	
161UPSC	
6PSC	
PSM2	

— Regio	n to use (see specifications below)
AL	
С	China
EL	EU
GE	3 United Kingdom
JP	Japan
K	South Korea, no power cord attached
UC	North America
N	No power cord attached

* Please contact us for more detail.

Key Features and Benefits

• Compact design - Maximum 16 modules within 1RU

161UPSC - AU

- Hot swappable
- 161UPSC can be output 4 types of alarm signals via Dsub 9P (F).
- 161UPSC will require a PSM2 for power supply redundancy.

Specifications

Model	161UPSC	6PSC	2PSC
Number of Slots	16	6	2
AC Input Voltage	100 to 240V	N/A	
DC Input Voltage	N/A	10 to 18V	10 to 18V
Max Power Consumption (exclusive of modules)	22W	4.5W (AC) 2.2W (DC)	2.2W
Power Connector	AC3P Jack	AC3P Jack (AC) XLR4 Male (DC)	XLR4 Male
Supply Voltage to Module	DC 5V		
Operating Temperature	-10 to 40°C		
Typical Compliance	CB, CE, UL/cUL, KC (161UPSC-K, 6PSC-K, PSM2-K), FCC15B Class A, RoHS		
AC Power Cord Plug Type		GB -JP -K	N/A
	-C	-UC -N	

3G-SDI SFP Optical Transceiver

The Small Form-factor Pluggable transceiver module specified by MSA (Multi-Source Agreement). TRP-300 improves 3G/HD-SDI camera quality through its superior performance in wide range temperature.

Model	Wavelength	Emission	Sensitivity
TRP-300-LN13	FP-LD 1310nm	-5 dBm	-23 dBm

Please contact us for ordering lot.

Key Features and Benefits

- Supports 3G/HD/SD-SDI
- Canare's exclusive "TC Tech" (Temperature-Compensation Technology)
- Log scale optical power monitoring
- Internal status monitoring via I2C bus

Specifications

Number of I/O ports	Input: 1, Output: 1	
I/O Connector	LC	
Fiber Type	Single Mode	
Extinction Ratio	9 dB	
Transmission Rate	50 Mbps to 2.97 Gbps	
Pin Assignment	SFP MSA Compatible	
Supply Voltage	3.3 V	
Current Consumption	200 mA	
Operating Temperature	-25 to 85 deg C	
Complians	SMPTE 259M, 292M, 297-2006, 424M BTA S-004B, SFP MSA FDA 21 CFR Part 1040.10, 11 with Laser Notice No.50, IEC 60825-1: 2007, UL/cUL, DEMKO, CE, RoHS	



161UPSC-**

Dimensions : 434 x 44 x 340 mm Weight : 4500g



SPSC-**

Dimensions : 210 x 44 x 165 mm Weight : 650g



Dimensions : 90 x 44 x 110 mm Weight : 200g

10-slot portable platform is also available.



10PSA-JP Dimensions: 210 x 44 x 280 mm Weight: 1200 g



Dimensions: 13.9 x 11.85 x 56.5 mm Weight: 22g