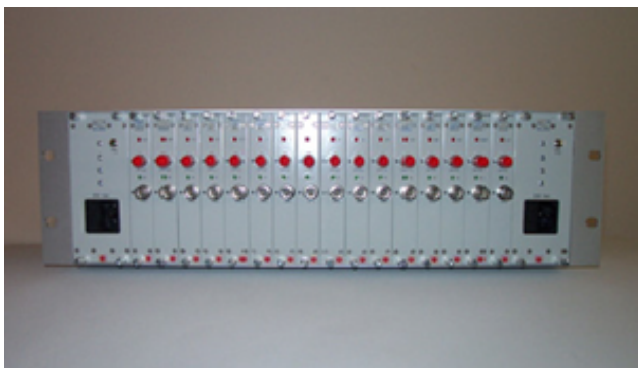
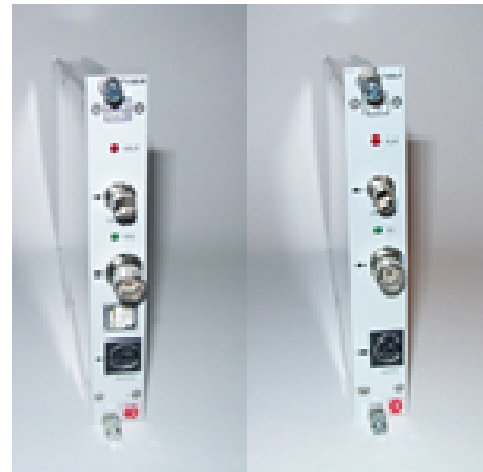




VIDEO + 2 AUDIO / DATA OVER A SINGLE OPTICAL FIBER

■ FEATURES

- High quality monodirectional color video transmission
- Two Audio/Data Channels multiplexed with video.
- Audio with Sound quality, (BW=15 KHz)
- RS 232 / RS 422 Data multirate DC to 19.2 Kbaud
- Very compact Stand-alone Box and Eurocard shielded package versions.
- LED version, operating at 850 nm wavelengths for 50/125 and 62.5/125 MM fiber
- LASER versions, operating at 1310 and 1550 nm wavelengths for 9/125 SM fiber



■ APPLICATIONS

- Video surveillance security systems.
- Camera to Monitor fiber optic transmission links.

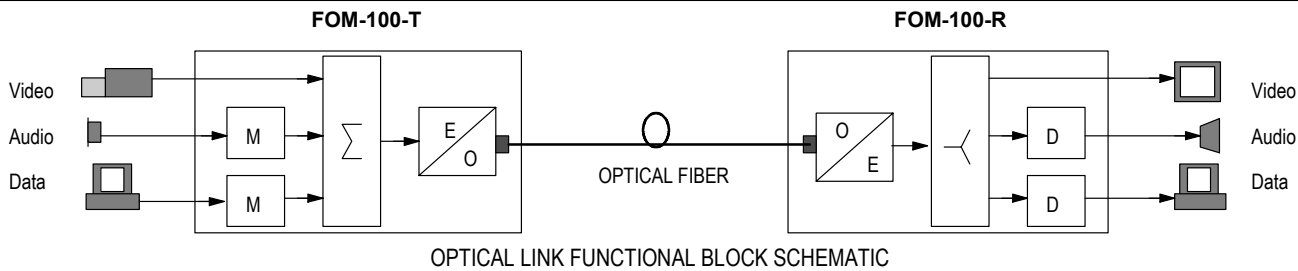
PRODUCT RANGE (*) - (**)

MODELS	DESCRIPTION
FOM-110-TVxy-E	OPTICAL (VIDEO + x + y) TRANSMITTER, 850 nm, MM Fiber, EUROCARD
FOM-110-RVxy-E	OPTICAL (VIDEO + x + y) RECEIVER, 850 nm, MM Fiber, EUROCARD
FOM-130-TVxy-E	OPTICAL (VIDEO + x + y) TRANSMITTER, 1310 nm, SM & MM Fiber, EUROCARD
FOM-140-TVxy-E	OPTICAL (VIDEO + x + y) TRANSMITTER, 1550 nm, SM & MM Fiber, EUROCARD
FOM-130-RVxy-E	OPTICAL (VIDEO + x + y) RECEIVER, 1310-1550 nm, SM & MM Fiber, EUROCARD
X	AUDIO or DATA signal multiplexed with Video
Y	AUDIO or DATA signal multiplexed with Video
STE-820	SUBRACK, 19" 3U, with POWER SUPPLY

(*) - BOX, Stand-alone mechanical versions are available if requested.

(**) - Custom solutions are available if requested.

FOM-100 SERIES TECHNICAL SPECIFICATIONS



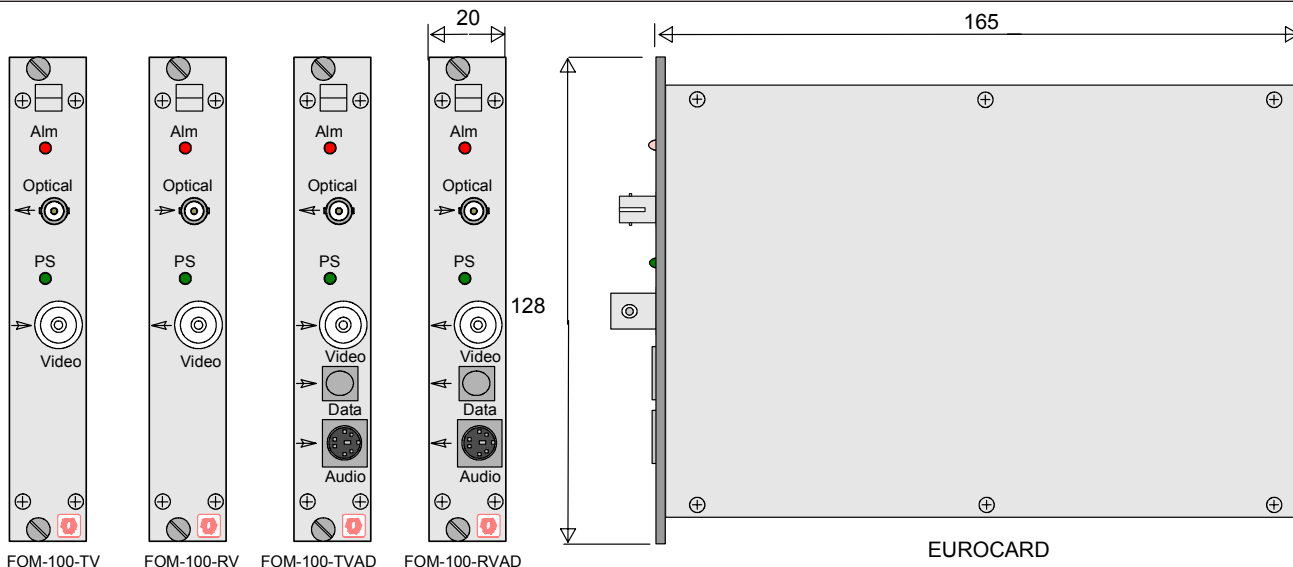
CHARACTERISTICS (Typical)

	FOM-110	FOM-130/FOM-140
OPTICAL		
- Operating wavelength (nm)	850	1310/1550
- Optical source / Detector	LED/PIN	LASER/PIN
- Fiber optic	MM	SM & MM
- Transmitted optical power (dBm) (°)	-16	0
- Optical receiver sensitivity(dBm)	-26	-26
- Optical receiver AGC range (dB)	10	10
VIDEO		
- Input/Output nominal level	1Vpp	
- Input/Output impedance	75 Ohm	
- Differential Gain	< 5%	
- Differential Phase	< 5°	
- Luminance non linearity	< 5%	
- Signal-toNoise ratio (weighted, Pr > -20 dBm)	>> 60	
- Frequency response (5Hz to 5.5 MHz)	<< 100 +/- 10%	
- Group Delay (5Hz to 5.5 MHz)	< 100 nsec	
AUDIO		(Optional)
- Input/Output nominal level	-10 / 0 dBm	
- Input/Output impedance	600 Ohm unbal	
- Bandwidth	0.04 -15 KHz (opt: 0.3 - 3.4 KHz; 0.1 - 7 KHz)	
- S/N (Weighted)	>> 60 dB	
- Harmonic distorsion	< 1 %	
DATA		(optional)
- Data rate (Asynchronous)	DC to 19.2 Kbaud	
- Data interface	RS 232 or RS 422	
- BER at Pr = > -27 dBm	< 10E-12	
MECHANICAL & ENVIRONMENTAL		
- Optical TX and RX Eurocard package (size)	110x160x20 mm	
- Subrack type	19" 3U	
- Subrack equipment with power supply	16 FOMs TX/RX	
- Operating temperature	-10 to +50 °C	
- Storage temperature	-40 to + 70 °C	

(°) Lower or higher power available

(**) Lower sensitivity for short distances available

FOM-100 MECHANICAL



OPTEL snc - Via Don Milani 7
 20063 - CERNUSCO S/N - Milano - ITALY
 Tel. +39-2-92102981 Fax.+39-2-92105987