

**VIDEO DIGITAL TRANSMISSION
ON OPTICAL FIBER**

**FEATURES
& BENEFITS**

TRANSMISSION

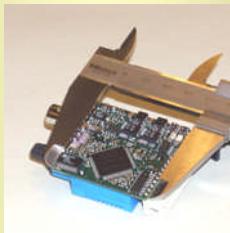
ERC 1600 is designed to transmit video of a camera, on optical fibre.

PERFORMANCES

Digital transmission and 10 bits coding make sure of a very high quality of signal. Transmission is able to cover more than 65 Km distance.

VERSIONS RANGE

Equipments are adapted to singlemode or multimode optical fiber. Transmission is done on 1 optical fiber. The transmitter is powered by low voltage AC or DC.



INTEGRATION

The miniature transmitter allows integration in camera housing or in dome camera. Receiver modules are fitted in a 19" 3U chassis with up to 39 receivers' capacity.

FIABILITY

SMT technology assumes a constant quality production. Low electrical consumption warranty high reliability.

3 YEARS WARRANTY
For peace of mind



ERC 1600 are video digitized transmission equipments. ERC 1600 transmits the video signal over a singlemode or multimode optical fibre.

The transmitter is presented in a small stand alone box with a low electrical consumption, its wide range of AC or DC power supply eases the integration in a camera housing or a dome camera. A DIN rail clip option is available.

A three channels transmitter card for chassis fitting is also available. At receiving side the card is proposed for one or three channels to fit in one slot of the chassis.

These cards fit in all ERC17 series chassis rack or stand-alone modules. Equipments in a chassis can be supervised by ERC 17 GUARD (HTTP or SNMP) module. Up to 39 receivers can be fitted in a single chassis.

Very high quality is assumed by 10 bits video digitizing (S/N = 67 dB), digital filtering and transmission. The AGC avoid any video setting during first service.

Others products allow bidirectional transmission for remote control data and video on the same fiber (See ERC 1500 product range).

VIDEO

Format :	PAL, SECAM or NTSC	Bandwidth :	0 to 5,8 MHz at $\pm 0,2$ dB
Input level :	1 volt ± 3 dB	Group delay :	< 10 ns at 4,43 MHz
Output level :	1 volt (AGC video)	S/N ratio :	67 dB (CCIR 567)
Differential gain :	< 1 %	Display :	Video presence
Differential phase :	< 1 °	Connector :	BNC
Impedance :	75 Ω	Filtering :	Digital

OPTICAL

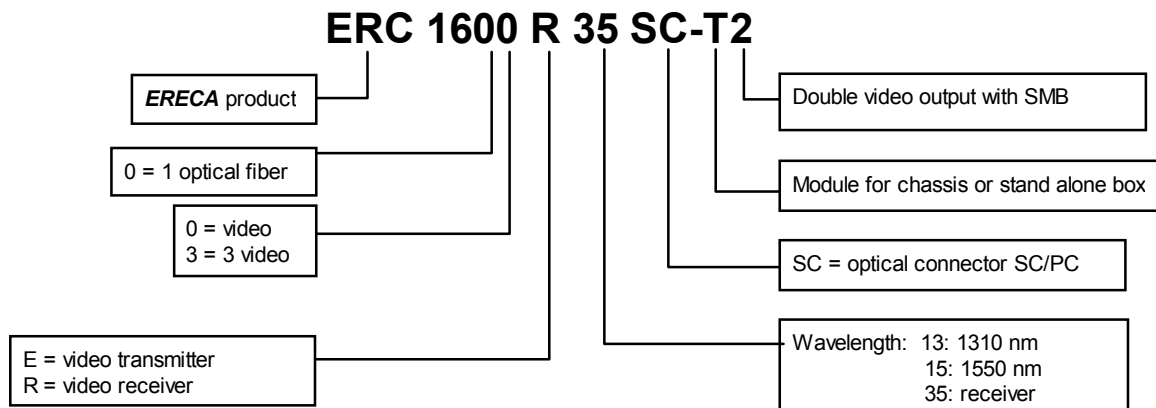
Wavelength :	1310 nm.	Connector :	SC/PC
Optical dynamic :	up to 32 dB	Display :	Receiver synchronized

MECHANICAL & POWER SUPPLY

Transmitter module		Chassis power supply	
Size :	45 x 45 x 22 mm	Size :	19" 3U
PSU :	DC : 10 to 30 V, AC : 12 to 24 V.	Capacity :	13 slots
Consumption:	1 W (with 12 VDC).	Power supply :	Hot swap, redundant
Weight :	70 g.	Voltage :	230 Vac +10/-15% 50/60 Hz
Receiver module for chassis		Stand alone	
Size :	1 or 3 channels = 1 slot	Model :	ERC17 SA series
Consumption :	2.7 W (3 channels module).	Power supply :	Low voltage, 230VAC

ENVIRONMENTAL

Operating :	- 20 to + 70 °C	Humidity :	95 % non condensing
Storage :	- 30 to + 80 °C	EMC :	UTE C70-201 & C70-202



RoHS
Compliant

ERECA S.A.

75, rue d'Orgemont
95210 SAINT GRATIEN

☎ 33 (0)1 39 89 76 23 📠 33 (0)1 34 28 16 25
Email : ereca@ereca.fr Web : www.ereca.fr

In the interest of product development we reserve the right to change specifications without notice.