

**VIDEO AND DATA  
DIGITAL TRANSMISSION ON OPTICAL FIBER**

**FEATURES &  
BENEFITS**

**BIDIRECTIONAL  
TRANSMISSION**

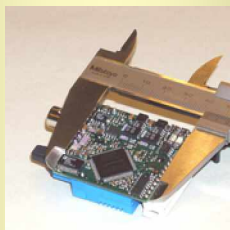
ERC 1500 is designed for video and bidirectional PTZ transmission from camera, on only one optical fiber.

**PERFORMANCES**

Digital transmission and 10 bits coding vouch a very high quality of the signal. The transmission can run over more 65 Km of distance.

**TYPES  
DIVERSITY**

Equipments are adapted to multimode or singlemode optical fibers. Transmissions are done on 1 optical fiber. Transmitters are powered by low voltage AC or DC.



**INTEGRATION**

The miniature stand alone box allows integration in camera housing or in a dome camera. Receiver modules are plugged in 19" 3U chassis, containing up to 39 receivers.

An electrical bus on the back panel of the chassis allows data distribution for PTZ remote control.

**FIABILITY**

High integration of the electronic assumes a constant quality of manufacturing. Low electrical consumption is the warranty of a very high reliability.

**3 YEARS WARRANTY**



**ERC 1500** are bidirectional transmission equipments. They allow transmission of video and data signal on one optical fiber.

Transmitter is stand alone presented with low consumption, powered under low voltage for integration in housing or dome camera.

Receivers are pluggable in 19" 3U ERC 17-001 chassis or in stand alone ERC 17-SA. Receiver modules are available in two or three channel versions.

In chassis presentation modules can be supervised by ERC 17 GUARD module (HTTP or SNMP).

Up to 39 receivers can be plugged in one chassis.

High quality is vouched by coding, digital filtering and transmission of the video with 10 bits (S/N = 67 dB). The AGC avoids any video setting at the installation.

Modules can be set to be compatible to RS 232, RS 422 and RS 485 (4 or 2 wires) standards. Protocol setting is accessible only by the receiver. Data can be collected by the back panel of the chassis and concentrated on one interface board.

One version allows the transfer of bidirectional data through the video coaxial cable.

## Video

Format :	PAL or NTSC	Bandwidth :	0 to 5.8 MHz at $\pm 0.2$ dB
Input level :	1 volt $\pm 3$ dB	Group Delay :	< 10 ns at 4.43 MHz
Output level :	1 volt (video AGC)	S/N ratio :	67 dB (CCIR 567)
Differential gain :	< 1 %	Display :	Video presence
Differential phase :	< 1 °	Connector :	BNC
Impedance :	75 $\Omega$	Filter:	Digital

## Data

Protocol TX :	RS422 (4 w), RS485 (2 w)	Mode :	Asynchronous
Protocol RX :	RS232, RS422 or RS485	Connector :	WAGO "MICRO" (TX)
Data rate :	0 to 230 K baud		Sub D 9 HD (RX)
Closure Contact :	1	Display :	Data activity
Remote control through video coaxial cable (consult us)			

## Optical

Wavelength :	1310/1550 nm	Connector :	SC/PC
Optical budget :	23 dB or 29 dB	Display :	synchronized receiver

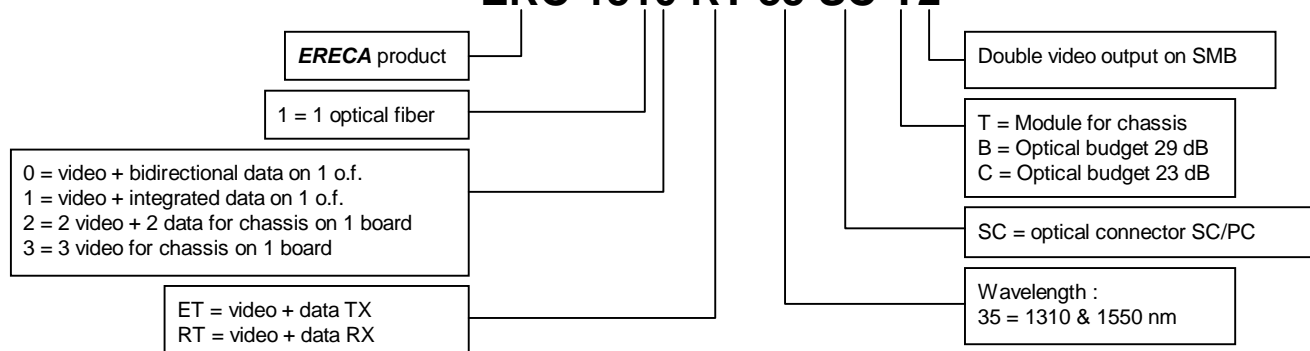
## Mechanical & Power Supply

Transmitter		Chassis power supply	
Size :	45 x 45 x 22 mm	Size :	19" 3U
Power supply :	10 to 30 Vdc	Capacity :	13 slots
	Or 12 to 24 Vac	Power supply :	redundant swappable
Power consumption :	1 W (under 12 Vdc)	Voltage :	230 Vac +10/-15 %
Weight :	70 g		50/60 Hz
Receiver for chassis		Stand alone box	
Size :	double receiver = 1 slot	Size :	245 x 135 x 28 mm
	triple receiver = 1 slot	Main voltage :	230 Vac +10/-15, 50/60 Hz
Power consumption :	2,7 W	Low voltage	8 to 24 Vdc or 8 to 16 Vac

## Environmental

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

## ERC 1510 RT 35 SC-T2



**RoHS**  
Compliant

**ERECA S.A.** 75, rue d'Orgemont  
95210 SAINT GRATIEN

33 (0)1 39 89 76 23 7 33 (0)1 34 28 16 25  
Email : [ereca@ereca.fr](mailto:ereca@ereca.fr) Web : [www.ereca.fr](http://www.ereca.fr)

In the interests of product development ERECA reserve the right to change specifications without notice