

**SECURE TRANSMISSION
OF VIDEO ON OPTICAL FIBER**

**FEATURES
& BENEFITS**

TRANSMISSION

ERC 1650 is designed to transmit on two optical fiber one video signal.

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 2 optical fibers.

INTÉGRATION

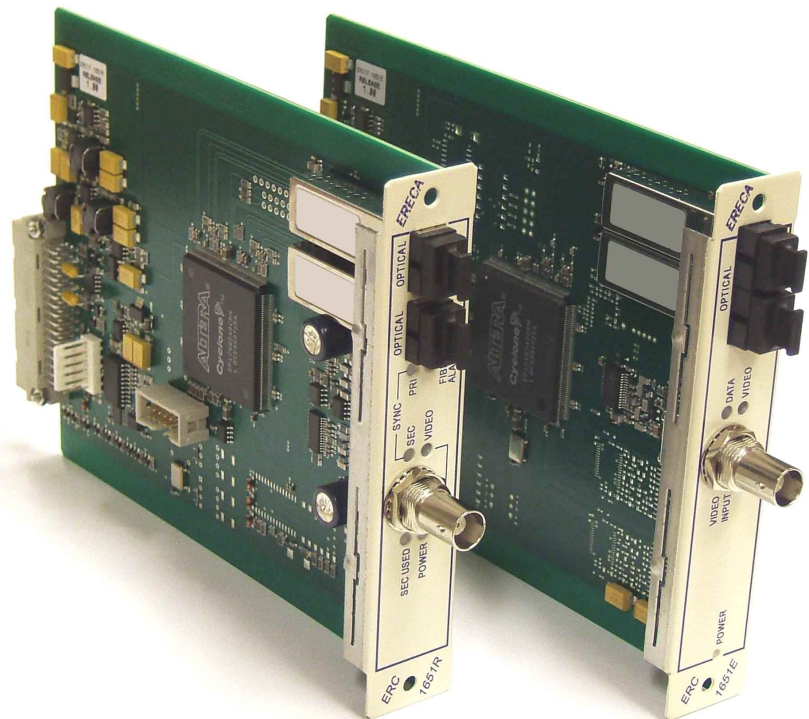
Transmitters as receivers can be fitted in a stand alone housing or in 19" 3U chassis of 13 modules capacity. The chassis may be supervised by http or SNMP network.



FIABILITY

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

3 YEARS WARRANTY
For peace of mind



ERC 1650 are digitized video transmission equipments.

ERC 1650 transmits video signal on two optical fibers multimode or singlemode.

ERC 1650 assumes securization of optical signal transport by the use of double component on the receiver as on transmitter. So optical attenuation is reduced and switching time control is minimized.

Transmitter as receiver is presented on a plug in module with analog connection on a BNC for PAL, NTSC or SECAM video. For optical fibers 2 SC/PC connectors are available.

ERC 1650 module can be fitted in 19" 3U chassis ERC 17-002, or stand alone ERC 17-SA.

Equipments in a chassis can be supervised by ERC 17 GUARD (HTTP or SNMP) module.

Up to 13 transmitters or receivers can be fitted in only one chassis.

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

VIDEO

Format :	PAL, SECAM or NTSC	Bandwidth :	0 to 5.8 MHz at ± 0.2 dB
Input level :	1 volt ± 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 (SMB as option)
Impedance :	75 Ω	Filter :	Digital

OPTICAL

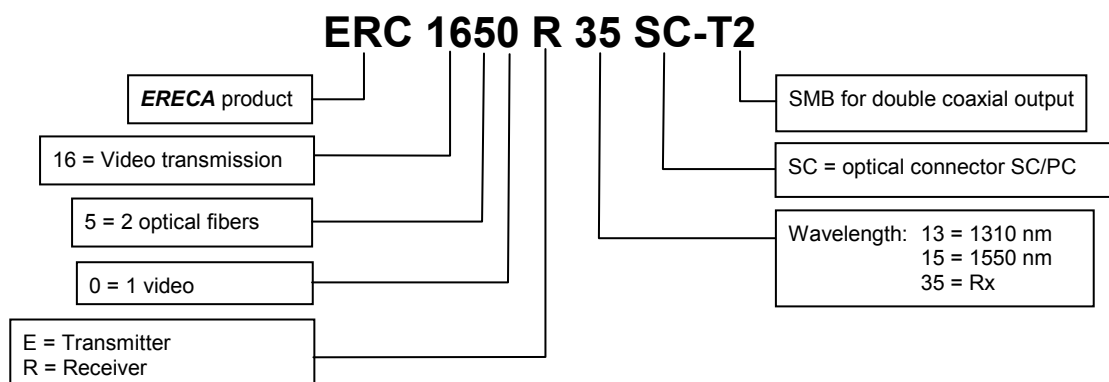
Wavelength :	1310 or 1550 nm	Connector :	SC/PC
Optical dynamic range :	20 or 29 dB	Display :	Synchronized receiver Optical fracture detection Secure optical channel used

MECHANICAL & POWER SUPPLY

Transmitter module		Chassis power supply	
Size :	Double transmitter = 1 slot	Size :	19" 3U
Power consumption :	2.7 W	Capacity :	13 slots
Display :	Power ON	Power supply :	redundant hot swap
		Voltage :	230 Vac +10/-15% 50/60 Hz
Receiver module			
Size :	Double receiver = 1 slot		
Power consumption :	2.7 W	Stand alone :	In ERC 17 SA / SA1 notice
Switching time	> 2 ms	Size :	245 x 135 x 28 mm (ERC 17 SA)
Display :	Power ON	Main voltage :	230 Vac +10/-15%, 50/60 Hz
		Or low voltage :	In ERC 17 SA notice

ENVIRONMENTAL

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



RoHS
Compliant

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