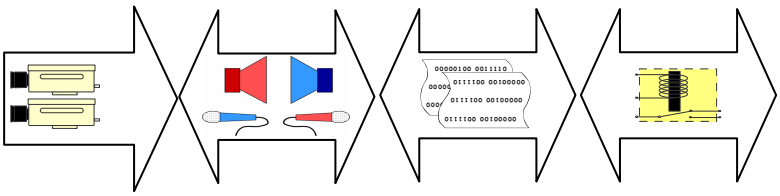
PRODUCT GUIDE
ERC 2200

DIGITAL TRANSMISSION
2 VIDEO + 2 AUDIO + DATA + C.C ON 1 FIBER



FEATURES & BENEFITS

BIDIRECTIONAL TRANSMISSION
The ERC 2200 is designed to transmit 2 video in one way and in two way 2 audio + 1 data channel + 1 contact closure, on only one optical fiber.

PERFORMANCES
Digital transmission with 10 bits coding so digital filtering of the video signal warrant a very high quality of the video signal.
Transmission is able to cover up to 65 km distance and more.

MULTI-PURPOSE
Equipments are adapted to singlemode or multimode optical fiber. Transmission is on only one fiber.

INTEGRATION
Transmitter and receiver modules can be plugged either in a stand alone box with multi-purpose power supply or in a 19'' 3U chassis with 13 modules capacity.
The low consumption of the module allows the high concentration in a bay without critical heat.

SIMPLE TO USE
No video setting.
A collation back bus allows centralising data on only one in /out connector for the chassis.

FIABILITY
Low power consumption is the warranty of a great reliability.

3 year warranty

ERC 2200 is bidirectional transmission equipment. It transmits 2 video, 2 audio, 1 serial data Channel and 1 contact closure on one optical fiber.

Transmitter and receiver are presented as pluggable board modules. ERC 2200 can be plugged either in a stand alone box ERC 17SA or in the 19'' 3U chassis ERC 17-001. Those modules can be removed or insert of their housing under power without any perturbation.
Equipments housing in chassis can be supervised by the ERC 17 GUARD (HTTP or SNMP) module.
Only one ERC 17-001 chassis is able to receive up to 13 ERC 1300 modules.
The excellent quality of the video transmission (S/N = 67 dB) is performed by the expertise of processes including digital coding, digital filtering and 10 bits video technology. At the first service, with help of the AGC, no setting is required.

As an option the output signal of the receiver is distributed on 2 SMB connectors with the same quality, to double video accesses.

An audio gain adaptation permits balanced or unbalanced audio input/output without loss of level signal.

Modules are adapted to the RS 232, RS 422 and RS 485 (4 or 2 wires) standards by internal setting. The back plane of the chassis is designed to collect and centralise data through one access board only.

innovation

VIDEO			
Format :	PAL, SECAM or NTSC	Group delay :	< 10 ns at 4.43 MHz
Number of channel :	2	S/N ratio :	67 dB (CCIR 567)
Input level :	1 volt ± 3 dB	Impedance :	75 Ω
Output level :	1 volt (video AGC)	Connector :	BNC
Differential Gain :	< 1 %	Connector :	SMB pour double sortie
Differential phase :	< 1 °	indicators :	Video presence
Bandwidth :	0 to 5.8 MHz ± 0.2 dB		

DATA			
Protocol :	RS 232, 422 or 485 (2 or 4 wires)	Mode :	Asynchronous
Data rate :	DC to 230 K bauds	Connector :	RJ 45
Impedance :	100 Ω or 15 000 Ω	Indicators :	Data activity

AUDIO / CONTACT			
Number of channel :	2	Maximum level :	+6 dBm
Transmission way :	Bidirectional	Gain :	0 or + 6 dBm
S/N ratio :	85 dB	Impedance :	600 Ω input, 10 Ω output
Distortion :	0.02 % at 1 KHz	Connector :	SubD E HD 15 contacts
Bandwidth :	20 to 20 000 Hz at 0,5 dB	Closure contact :	1

OPTICAL			
Wavelength :	1310/1550 nm	Connector :	SC/PC or SC/APC
Optical dynamic :	28 dB with 9/125 µm	Indicators :	receiver synchronization
Optical dynamic :	14 dB with 50/125µm *		

(*) Dynamic with 50/125 can be limited by fiber bandwidth.

MECHANICAL & POWER SUPPLY			
Transmitter module for chassis		**Stand alone box**	
Size :	1 slot	Main voltage :	230 Vac +10/-15%, 50/60 Hz
Electrical consumption :	3.2 W	Or Direct current :	8 to 24 Vcc or 8 to 16 Vac
Insert/extract :	Hotswap	Size :	245 x 135 x 28 mm
Receiver module for chassis		**Chassis & Power supply**	
Dimensions :	1 slot	Size :	19" 3U
Electrical consumption :	3.2 W	Capacity :	13 slots
Insert/extract :	Hotswap	Power supply :	redundant extractible
Indicator :	Voltage conformity	Voltage :	230 Vac +10/-15% 50/60 Hz

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

RoHS Compliant

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