

### FEATURES & BENEFITS

#### LOW COST

FM Analog transmission dedicated to point to point transmission over 50/125 or 62.5/125 multimode optical fiber.

#### INTEGRATION

The miniature stand alone transmitter allows integration in camera housing or in a dome camera. Receiver modules are plugged in 19" 3U chassis. Up to 39 receivers per chassis.

#### VIDEO QUALITY

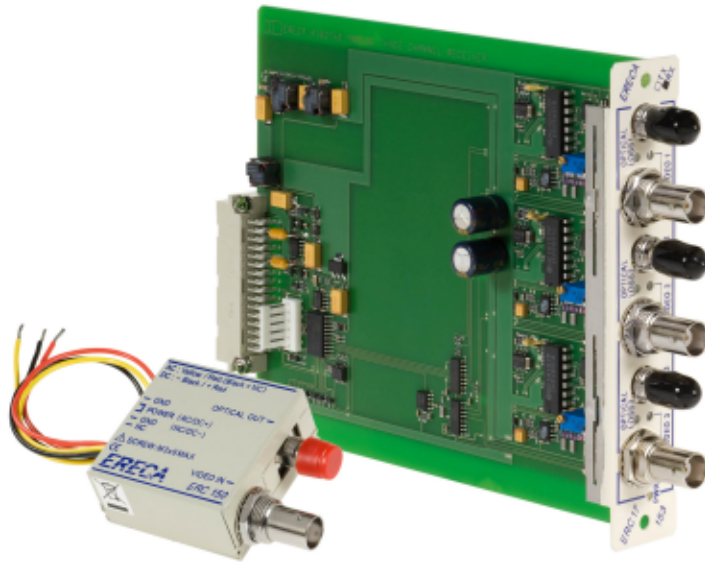
High quality video transmission over the full optical dynamic range.

#### FIABILITY

SMT technology assures a constant quality production. Low electrical consumption is the warranty of a very high reliability.

**3 year warranty**

### VIDEO TRANSMISSION OVER MULTIMODE OPTICAL FIBRE



**ERC 150** is a video transmission equipment over multimode optical fiber. FM transmission technique offers higher performance than basic analog transmission for video quality restitution over longer distance.

No settings are required on the ERC 150. The equipment has a unitary transmission gain and accepts video signal amplitudes of 1 volt  $\pm$  3 dB.

Transmitter is housed in small stand alone box with low consumption, low voltage powered for integration in camera housing or dome camera. Receivers are pluggable in 19" 3U ERC 17-001 chassis or in a stand alone ERC 17 SA. Receiver modules are available in one or three channels versions. In chassis presentation, modules can be monitored by ERC 17 GUARD module (HTTP or SNMP). Up to 39 receivers can be plugged in one chassis.

#### Video

Format	PAL, SECAM, NTSC.
Input/Output level	1 volt $\pm$ 3 dB.
In/Out Impedance	75 $\Omega$ .
Bandwidth	5Hz - 5.5Mhz $\pm$ 0.5 dB.
Signal to Noise (CCIR657)	67dB ( 1 Km of 50/125 ). 60dB (10 Km of 50/125).
Differential gain / linearity	< 3 % (1.5% typical).
Differential phase	< 3° (1.5° typical).
Transmission gain	$\pm$ 0.5dB.
Connector	BNC.

#### Optical

Wavelength	1310 nm.
Output power (typical)	- 22 dBm (50/125).
Max. Sensitivity	- 33 dBm.
Connector	ST.

#### References

ERC 150 E 13 ST	=	1310 nm transmitter module
ERC 153 R ST-T	=	Three channels receiver module
ERC 150 R ST-T	=	One channel receiver module.

#### Environmental

Operating	-20 to +70°C
Storage	-30 to +80°C
Humidity	95% none condensed
EMC	UTE C70-201 & C70-202

#### Mechanical & Power supply

##### Transmitter module: ERC 150 E 13 ST

Dimension:	45 x 45 x 22 mm
Power supply:	9 to 15 Vdc. 9 to 14 Vac.
Power consumption:	1 W (at 12 Vdc).
Weight:	60 g.

##### Receiver modules:

Dimension:	Module, 1 slot
Power supply:	Rack or stand alone boxes. Video presence. Optical signal presence. Internal voltages ok.
Indicator:	
Power consumption:	3.3 W (3 channels module). 1.5 W (1 channel module).

### CONTACTS

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