

Fibre optic singlechannel CCTV transmission



**Analogue video optical receiver and remote
control emitter, A177 model**

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06.A177.1.1S

OPTICAL PARAMETERS

Optical emitter	LED
Optical receiver	PIN
Output / Input wavelength (see note 1)	850 nm
Type of fibre	2 x Multimode (50/125 or 62.5/125 μm)
Average optical power (see note 2)	≥ -19 dBm (50/125 μm), ≥ -17 dBm (62,5/125 μm)
Sensitivity (see note 1)	≤ -27 dBm

VIDEO ELECTRICAL PARAMETERS

Video specification	PAL / NTSC compatible
Output voltage	1 Vpp (adjustable)
Output video level	Manual
Output impedance (see note 1)	75 Ω
Bandwidth (-3 dB)(see note 2)	≥ 5.5 MHz
Peak to peak differential gain (see notes 1 and 2)	< 3.5 %
Peak to peak differential phase (see notes 1 and 2)	< 3.5 °
Signal to noise ratio (weighed) (see notes 1, 2 and 3)	> 45 dB

REMOTE CONTROL ELECTRICAL PARAMETERS

Electrical interface (user configurable)	RS-232, RS-422, RS-485
Maximum binary rate	64 kbit/s (ask in case higher speed is required)
Operation mode	Unidirectional

POWER PARAMETERS

Power supply	12 Vdc / Internal (stand-alone / housing option)
Power consumption (see note 1)	< 3 W

MECHANICAL PARAMETERS

Format	Stand-alone / Module for 19" rack and 3U height
Dimensions	160 x 130 x 65 mm box (stand-alone option) 5 TE wide x 160 mm deep (without connectors)
Optical connector	ST
Video connector	BNC
Remote control connector	Screw-in terminal

ENVIRONMENTAL CONDITIONS

Operating temperature range	-40 °C to +74 °C
Humidity range	0 to 95% without condensation

INDICATORS AND ALARMS (see note 4)

Unit in operation	Green	ON
Data transmission	Green	Tx

Note 1.- Typical values as a production average

Note 2.- Actual values are given in the test sheet. These values are measured according to the test procedure for this device

Note 3.- Value at receiver sensitivity in all the operating range

Note 4.- LEDs on the front side

EQUIPOS DE TELECOMUNICACIÓN OPTOELECTRÓNICOS, S.A.

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