

## Fibre optic singlechannel CCTV transmission



**Analogue video optical emitter and remote control receiver, A175 model**

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06.A175.1.0S

## 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 $\mu\text{m}$ )
Average optical power (see note 2)	$\geq -19$ dBm (50/125 $\mu\text{m}$ ), $\geq -17$ dBm (62.5/125 $\mu\text{m}$ ),
Receiver sensitivity (see notes 2 and 3)	$\leq -36$ dBm

## VIDEO ELECTRICAL PARAMETERS

Video specification	PAL / NTSC compatible
Input voltage	1 Vpp
Input impedance (see note 1)	75 $\Omega$
Bandwidth (-3 dB)(see note 2)	$\geq 5.5$ 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 and 2)	$> 60$ 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 requirements	12 Vdc
Power consumption (see note 1)	$< 3$ W

## MECHANICAL PARAMETERS

Format	DIN rail box
Dimensions	72 x 103 x 72 mm (with 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

Unit in operation	Green	ON
Data reception	Green	Rx

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.-Guaranteed value for a BER  $< 10^{-9}$  in all the operating range

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