

Fibre optic transmission systems for CCTV



**Triple single channel video receiver A115
model**

OPTICAL PARAMETERS		
Optical detector	PIN	
Wavelength	850 nm (CM version) 1,310 nm (D version) 1,310 and 1,550 nm (A version)	
Fibre type	Singlemode (9/125 μm) (A version) Multimode (50/125 or 62.5/125 μm) (CM and D versions)	
Sensitivity (see note 1)	≤ -30 dBm (A and D versions) ≤ -28 dBm (CM version)	
ELECTRICAL PARAMETERS		
Video system	PAL / SECAM / NTSC	
Output voltage	1 Vpp (75 Ω)	
Output video level	Automatically controlled	
Output impedance (see note 2)	75 Ω	
Bandwidth (-3 dB) (see note 1)	≥ 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 (weighted) (see notes 1 , 2 and 3)	> 45 dB	
POWER PARAMETERS		
Power requirements	Internal of P40W housing	
Power consumption (see note 2)	< 3 W	
MECHANICAL PARAMETERS		
Format	Plug-in module for 19" rack and 3U height	
Dimensions	5 TE x 3U x 160 mm (without connectors)	
Optical fibre connector	FC/PC (A version) ST (CM and D versions)	
Video coaxial connector	BNC	
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
No video output signal	Red	NV
Low optical input power	Red	PI

Note 1.-Actual values are given in the test sheet. These values are measured according to the test procedure for this device

Note 2.-Typical values as a production average

Note 3.-Value at receiver sensitivity for all operating range

Note 4.-LED's in the front side

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