

### Ogier Electronics Single Channel Compact SL3100-C Links

The SL3100 is a compact single video channel link with a number of data and audio options. The designator HP indicates that high power transmitters are included to increase the range

Regulatory compliance	ETSI EN 300 632 and MPT 1425		
Number of video channels	1 in one direction		
Number of data or audio channels	1 in both directions		
Frequency band	31.0 to 31.8 GHz		
Frequency stability	Phase locked to 30 ppm		
Range - all weathers	SL3100-C	4.5 km	
	SL3100-HP-C	10 km	
Availability	99.95% (UK conditions)		
Antenna type (both ends)	High gain Lens Horn		
Antenna size (both ends)	15 cm diameter		
Antenna gain (both ends)	32 dBi		
Transmit power	0 to +15 dBm		
Transmit EIRP	SL3100-C	32 dBm typical	
	SL3100-HP-C	47 dBm typical	
Polarisation	Vertical or horizontal		
Receiver Noise Figure	6 dB		
Carrier to Noise	18 dB		
Signal to Noise	50 dB		
Carrier to Interference	30 dB		
Modulation	Wideband FM, 10.5 MHz deviation		
Pre-emphasis	Compliant with CCIR Rec 405-1		
Tuner bandwidth	27 MHz		
Video inputs/outputs	PAL or NTSC 5.6 MHz 1Volt 75 ohm		
Video Quality	6% Differential Gain		
	6 Deg Differential Phase		
	6% Bar Amplitude Error		
	6% C/L Gain Inequality		
	6% C/L Intermodulation		
	75 nS C/L Delay		
	6% Bar Tilt		
	2% 2T K		
	6% 2T P/B		
	Data inputs/outputs	Either, RS 485, 422 or 232 at 19.2 kbps Simplex, half duplex or full duplex. Other options available	
		0 dBm in 600 Ohms balanced or unbalanced	
		50 to 10,000 Hz +/-3dB	
		50 dB	
		5% at 1 kHz and 0 dBm	
100 - 250 Volts AC, 50 - 60 Hz			
30 Watts each end			
-20 to +60 C			
Up to 200 kph			
20 x 20 x 40 cm			
Power		Terminal connectors	
Video		BNC connectors	
Data or audio		Terminal connectors	
Life		15 Years	
Routine maintenance	None required		
Weight	8.5 kg		
Mounting	Horizontal plate with M10 stud and M8 locking		
RF Hazard	None (< 0.2 mW/sqcm average at antenna)		

November 2002 - Ogier Electronics reserve the right to alter this Specification without notification