

Ogier Electronics Single Channel SL58-C Links

The SL58C series of links transmit high quality video and data in the 5.8 GHz frequency band. They are small, lightweight and extremely cost effective. The video quality of these equipments is to broadcast levels. They are fully compatible with the ML3100 series of multichannel equipment, which allows them to be used in complete microwave CCTV networks. The equipment is easy to install with no set-up or adjustment other than selecting the operating channels. The unit incorporates a built-in signal strength meter and has user accessible rotary switches to allow a choice of 4 operating frequencies in both directions, thereby maximising the probability of interference free operation.

Warning: The equipment operates in a licence exempt band, which means there may be interference from other emitters. In urban environments it is necessary to ensure that there will be no interference before the equipment is deployed.

Please note that the equipment is powered from 12 Volts DC. Separate power supply modules or weatherproof units can be supplied if required

Number of video channels	1 in one direction
Number of data channels	1 in both directions
Frequency band	5,675 MHz to 5,925 MHz
Number of operating channels	4 in each direction (ie up to 16 possible combinations)
Frequency stability	Phase locked to 10ppm
Range - all weathers	SL58-C 2 km SL58-HP-C 10 km (note longer ranges possible with alternative antennas)
Availability	99.95%
Antenna type (both ends)	2 printed arrays. One for transmit, the other for receive
Antenna gain (both ends)	17 dBi
Transmit power	+10dBm for SL58-C +20dBm for SL58-HP-C
Transmit EIRP	+27 dBm for SL58-C +37 dBm for SL58-HP-C
Polarisation	Linear
Receiver Noise Figure	4.5 dB for SL58-C 5 dB for SL58-HP-C
Carrier to Noise	15 dB
Signal to Noise	45 dB
Carrier to Interference	30 dB
Modulation	Wideband FM
Pre-emphasis	Compliant with CCIR Rec 405-1
Tuner bandwidth	20 MHz
Video inputs/outputs	PAL or NTSC 5.6 MHz 1Volt 75 ohm
Video Quality	10% Differential Gain 10 Deg Differential Phase 10% Bar Amplitude Error 10% C/L Gain Inequality 10% C/L Intermodulation 80 nS C/L Delay 10% Bar Tilt 6% 2T K 10% 2T P/B
Data inputs/outputs	RS 485 or 422 up to 38.4.kbps half, full duplex or simplex.
Input voltage	12 Volts nominal (24V available as option)
Input power	15 Watts each end
Temperature Range	-20 to +60 °C
Solar Radiation	1 kW per square metre at 50°C ambient
Wind	Up to 200 kph
Dimensions without sun shield	SL58-C Width 22 cm, height 22 cm, depth 5 cm
Connections	12 Volt DC Power Terminal connectors Video F-type (adaptor to BNC supplied) Data Terminal connectors Life 10 Years
Routine maintenance	None required
Weight	SL58-C 5 kg with swivel bracket Mounting 5 cm to 10 cm dia vertical pole
RF Hazard	SL58-C Safe all distances Below 0.05 mW/sq cm at radome surface SL58-HP-C Safe at all distances outside main beam Below 0.5 mW/sq cm at radome surface