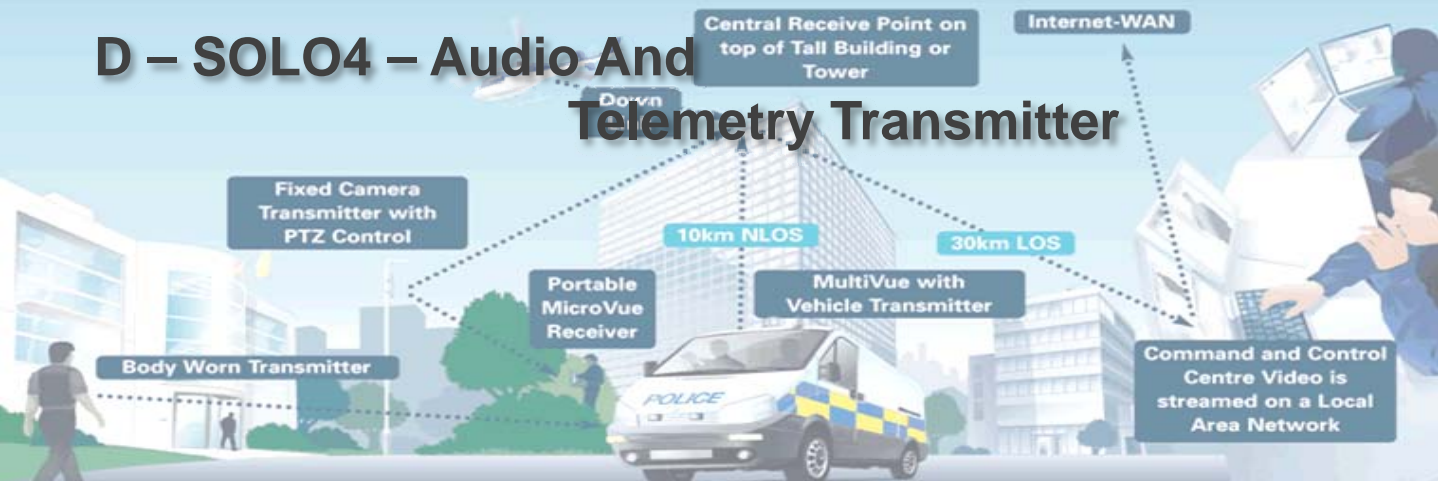


D – SOLO4 – Audio And Telemetry Transmitter



The D-SOLO4 Audio and Telemetry Transmitter is a COFDM transmitter, designed specifically for the transmission of audio and telemetry data. The D-SOLO4 Audio and Telemetry Transmitter can be configured into different user selectable bandwidths, to satisfy a variety of requirements. Bandwidths from 25KHz to 125KHz are available offering user capacity from 14 to 146kb/s. This capacity can be shared between audio and user RS232 telemetry data, in any combination. Wider bandwidths are available on request.

The D-SOLO4 Audio and Telemetry Transmitter employs a unique narrow band COFDM modulation and will transmit telemetry data and audio in a non-line of sight environment up to 5km, depending on mode and frequency. The D-SOLO4 Audio and Telemetry Transmitter is typically employed to provide talk back and also telemetry data for PTZ control in wireless video systems, especially mobile systems.

Security is ensured with AES128/256 bit encryption subject to export controls.

The D-SOLO4 Audio and Telemetry Transmitter can also be connected to IP solutions to create rugged wireless IP Bridge applications.

Supplied in a rugged, lightweight weather proof aluminum chassis, the D-SOLO4 Audio and Telemetry Transmitter can be used in body-worn applications, or prolonged outdoor deployments.



FOR FURTHER INFORMATION, CALL DIGICOM, INC ON (02) 587-7744

D – SOLO4 – Audio And Telemetry Transmitter



Specification

Input		IP Interface	RS232 style interface for IP Card
Audio	5 pin OB Lemo	Control	
GPIO	16 pin Hirose	Remote Control	RS232 Control from PC GUI Application
RS232 Data	16 pin Hirose	Local Control	Front Panel 8 channel select, RF on/off, Range mode, Lock, Alarm
RS232 Control	16 pin Hirose		
Power	4 pin OB Lemo	Physical	
Output		Dimension Base Unit	L 102mm, W 71mm, H 22mm
RF Out	SMA	Weight Base Unit	350g
RF		Power	
Frequency Bands	868 to 870MHz 457 to 459MHz (others available)	DC Input	5.9 to 16V Reverse Polarity Protected
Power	100mW	Power Consumption	2.4 to 3W depending on mode
Power Control	30dB in 1dB steps	Environment	
Tuning Steps	12.5KHz	Temperature Range	-20 to +70 deg C
Modulation		Accessories Supplied	
Bandwidth	75 to 125KHz (A model only) 25 to 125KHz	1 x LPRS Antenna	
Carriers	99	1 x SOLO 12V DC Power Lead Lemo-wire 2m	
Modulation	QPSK or 16QAM	1 x 3rd Generation Man-worn Control Cable	
FEC	1/2	1 x Data Cable	
Settings			
Channel Spacing	25KHz 50KHz 75KHz 100KHz 125KHz		
Bandwidth	20KHz 40KHz 60KHz 80KHz 100KHz		
Bitrate QPSK	14kb/s 29kb/s 44kb/s 58kb/s 73kb/s		
16QAM	28kb/s 58kb/s 88kb/s 116kb/s 146kb/s		
Audio (A model only)			
Input Line Level or Microphone			
Sample Rate 8KHz			
Bits per Sample 24Kbit (Toll) or 32Kbit (Phone) Quality			
Algorithm G726			
Encryption			
Format	AES128/256 (optional)		
Data Interface			
Format	RS232		
Baud Rate	1200, 2400, 4800, 9600, 19200, 38400, 57600 or 115200 baud		
Parity	None, Even, Odd switchable		
Flow Control	XON/XOFF (optional)		



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