COFDM - VIDEO, AUDIO TELEMETRY & IP PRODUCTS • SOLO - DIGITAL WIRELESS VIDEO SYSTEM

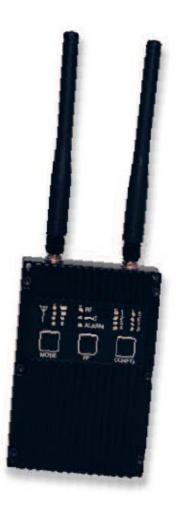


The D-SOLO4 Audio and Telemetry Receiver is a diversity COFDM receiver, designed specifically for the reception of audio and telemetry data. The D-SOLO4 Audio and Telemetry Receiver can be configured into different user selectable bandwidths, to satisfy a variety of requirements. Bandwidths from 25KHz 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. Additional bandwidths will be available in the future.

The D-SOLO4 Audio and Telemetry Receiver employs diversity reception and a unique narrow band COFDM modulation. It will receive telemetry data and audio in a nonline of sight environment up to 5km, depending on mode and frequency. The D-SOLO4 Audio and Telemetry Receiver is typically employed to provide talk back and also telemetry data for PTZ control in wireless video systems.

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

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



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

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Specification

-Input		Data Interface	
RF Input 1 RF Input 2 Power	SMA SMA 4 pin OB Lemo	Format Baud Rate	RS232 1200, 2400, 4800, 9600, 19200, 38400, 57600 or 115200 baud
Output Audio 1	5 pin OB Lemo	Parity Flow Control	None, Even, Odd switchable XON/XOFF (optional)
Audio 2 GPIO	5 pin OB Lemo 16 pin Hirose	IP Interface	RS232 style interface for IP Card
RS232 Data RS232 Control	16 pin Hirose 16 pin Hirose	Control Remote Control	RS232 Control from PC GUI
RF			Application
Frequency Bands	868 to 870MHz 457 to 459MHz (others available) Maximum Ratio Combining	Local Control	Front Panel 8 channel select, RF on/off, Range mode, Lock, Alarm
	Diversity	-Physical	
Sensitivity	-110 to -120dBm depending on mode 12.5KHz	Dimension Base Unit Weight Base Unit	L 102mm, W 71mm, H 22mm 350g
Tuning Steps	12.5KHZ	Power	-
De-Modulation		DC Input	5.9 to 16V Reverse Polarity
Bandwidth Carriers Modulation	75 to 125KHz (A model only) 25 to 125KHz 99 QPSK or 16QAM	Power Consumption	Protected 2.4W to 3W depending on mode
FEC	1/2	- Environment	
Settings		Temperature Range	-20 to +70 deg C
Channel Spacing	25KHz 50KHz 75KHz 100KHz 125KHz	Accessories Supplied	
Bandwidth Bitrate QPSK 16QAM	20KHz 40KHz 60KHz 80KHz 100KHz 14kb/s 29kb/s 44kb/s 58kb/s 73kb/s 28kb/s 58kb/s 88kb/s 116kb/s 146kb/s	2 x LPRS Antenna 1 x SOLO 12V DC Power Lead Lemo-wire 2m 1 x 3rd Generation Man-worn Control Cable 1 x Telemetry Audio Out Cable OB(FGA) Lemo-phono 3m	
Audio (A model onl	y)		
Output Sample Rate Bits per Sample	Line Level or Headphone Level 8KHz 24Kbit (Toll) or 32Kbit (Phone) Quality	1 x 3rd Generation Data Cable	
Algorithm	G726		
Encryption			
Format	AES128/256 (optional)		

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