

D – SOLO4FL



The Handheld Video Transmitter is the latest innovation in tactical Video reconnaissance and digital video transmission from Digicom.

First responders will find the D-SOLO4FL valuable for search and rescue, Assessing threats, physical security, and disaster sites. The D-SOLO4FL is An essential tool for fire/rescue, government, military, and law enforcement teams. Completely portable, the D-SOLO4FL uses a D-SOLO4 digital transmitter and fits in a durable 9.8 by 9.0 by 4.8 inch package. Rechargeable batteries provide a nominal runtime of three hours with all features ON. Even longer runtimes are achieved with the illuminator LED's and laser turned OFF. The LED's are ultra-bright and efficient, providing sufficient illumination for excellent video in complete darkness. A red spotting laser provides a safe method of effectively pointing the camera without the need for a monitor.

The D-SOLO4FL was designed to go virtually anyplace and to work well in Virtually any environment from sunlight to darkness. A miniature color video camera is fitted in the center of the D-SOLO4FL, with dual banks of illuminator. This combination provides both a spot light and an effective flood light, with a combined output designed to recognize a person in a dark room at a 12 foot distance.

Features

- ▷ The D-SOLO4FL was specially designed for rugged use. High performance. And water resistance.
- ▷ The Camera produces high resolution color video with An auto focus lens and auto night shot.
- ▷ Dual banks of illumination LED's.



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



Specification

Input

Composite Video	5 pin OB Lemo
Audio 1	5 pin OB Lemo
Audio 2	5 pin OB Lemo
SVideo	Hirose 16 pin 3500 series
RS232 Data	Hirose 16 pin 3500 series
RS232 Control	Hirose 16 pin 3500 series
Chaining I/O	Hirose 16 pin 3500 series
General Purpose I/O	Hirose 16 pin 3500 series
Power	4 pin OB Lemo

Output

RF Output	SMA
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RF

Frequency Bands	5.62 to 5.9GHz, 4.88 to 5.15GHz, 3.1 to 3.4GHz, 2.28 to 2.55GHz, 1.15 to 1.4GHz, 575 to 675MHz, 470 to 520MHz, 340 to 470MHz
Power	10mW(100mW optional)
Power Control	30dB in 1dB steps
Tuning Steps	250KHz

Modulation

Bandwidths (DVB-T or SOLO)	8/7/6/2.5MHz (1.25MHz optional)
Default Modes:	
Mode 1 -Short Range	2.5MHz, 16QAM, FEC2/3, 4.8Mb/s
Mode 2 -Normal Range	2.5MHz, QPSK, FEC2/3, 2.4Mb/s
Mode 3 -Long Range	2.5MHz, QPSK, FEC1/3, 1.2Mb/s
Mode 4 -Ultra Long Rang	(1.25MHz, QPSK, FEC1/3, 600kb/s (optional)

Control

Remote control	RS232 Control from PC GUI Application
Local Control	Front Panel 8 Channel select, RF on/off, Range mode, Lock, Alarm

Video

Line Standard	PAL/LTSC
Resolution	704, 528, 480,352
Coding Mode	MPEG2 (MPEG4 optional)
Delay	43ms to 120ms depending on mode
Frame Rate	Full/Half/Quarter/Eighth (selectable)

Audio

Input	Line Level or Microphone
Sample Rate	32KHz, 16KHz, 8KHz switchable
Bits per Sample	12 or 8 bit switchable

Data Interface

RS232 Data Input	1K2 to 115K2 baud switchable
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Encryption

Format	ABS 32 bit as standard AES128/256 (optional)
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Physical

Dimension	L 102mm, W71mm, H22mm
Weight	350g

Power

DC Input	5.9 to 16V Reverse Polarity Protected
Power Consumption	4.8 to 6W depending on mode

Environment

Temperature Range	-20 to +70 deg C
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Accessories Supplied

1xSOLO 12V DC Power Lead Lemo-wire 2m
1x3rd Generation Man-worn Control Cable
1x3rd Generation Bodycam AV Cable Lemo-BNC/Phone 2m
1xData Cable (optional)

Camera(Depend on customer request)

Image	1/3 inch CCD
Resolution	560 and/or 600 TV Lines
Iris	Automatic
Focus	Automatic

General

Battery Type	Rechargeable Internal Lithium polymer Batter Pack
Battery Type Package	Min 3hrs IP67

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