

# COFDM - VIDEO, AUDIO TELEMETRY & IP PRODUCTS

## DIGITAL WIRELESS VIDEO SYSTEM

### OPTIONS

#### Transmission Torch Kit

The Torch Kit product is the ideal solution for first responders and military personnel entering hazardous environments.

The torch produces a strong beam of natural light (infra red option available), and is equipped with a colour auto focus camera in the centre of the beam (switches to B/W in low light). The camera views anything illuminated by the beam. The video image is then transmitted from the torch by an attached COFDM transmitter, and can be received on any of the domo tactical receivers such as MiniPIX or MicroVue.

This solution allows team controllers positioned outside of the immediate danger area to observe the progress of first responders as they enter hazardous environments such as collapsed buildings, chemical spills and fires.



#### Specification

<b>Inputs</b>		<b>Physical</b>	
Composite Video and Audio	Lemo	Dimensions	L 129mm, W 70mm, H 28mm
Battery Connection	Lemo	Weight	400g
RS-232 Control and Data	Lemo		
12V DC In	Lemo		
<b>Outputs</b>		<b>Power</b>	
RF out	SMA	DC input	9 to 16V
		Power Consumption	6.3W to 7.5W configuration
		dependant (0.1W - sleep mode)	
<b>Video</b>		<b>Environment</b>	
Format	PAL/NTSC	Temperature Range	-10 to +50 deg C
Bitrate Narrow Band	1.2Mb/s to 4.8Mb/s		
Horizontal Resolution	720, 528 or 480 pixels		
		<b>Options</b>	
		AES scrambling software options	
<b>Audio</b>			
Audio Bitrate per channel	64kb/s to 364kb/s		
<b>Data</b>			
RS-232 control port and TTL asynchronous data input (upto 115200 bps)			
<b>RF</b>			
Tuning Range Lband	1.15 to 1.4GHz		
Tuning Range Low Sband	2.28 to 2.45GHz		
Tuning Range High Sband	2.35 to 2.50GHz		
Bandwidth Narrow Band	2.5MHz		
Modulation	QPSK 1/3 (1.2Mb/s), QPSK 2/3 (2.4Mb/s), 16QAM 2/3 (4.8Mb/s)		
Output Power Max	20dBm (100mW)		
Power Control	30dB in 1dB steps		
<b>Control</b>			
Front Panel	8 user selectable configurations		
PC GUI	All features from easy to use GUI		

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**Product Code:** SOL4FL

#### ADLERTECH SYSTEMS PTE LTD

56A KALLANG PUDDING ROAD #07-00. SINGAPORE 349329

Tel: (65) 6747 4636 Fax: (65) 6747 6919

EMAIL: sales@adlertechsystems.com