

COFDM - VIDEO, AUDIO TELEMETRY & I P PRODUCTS

REMOTE SURVEILLANCE SOFTWARE AND KIT

E-LINK

E-Link is a new concept in remote surveillance, designed specifically for the covert intelligence gathering market.

It streams live thumbnails over the internet, while simultaneously recording full resolution, full frame rate video on a local hard disk.

The system is composed of a front-end unit, either a briefcase or a rugged aluminium box, and a software application, which runs on a standard Windows PC. These communicate over the internet, bi-directionally linking the location under surveillance and the operatives. If the cameras connected to the front-end unit are PTZ capable, it is also possible to control them remotely based on real-time feedback.

Strong 256-bit AES encryption guarantees security over public networks subject to export controls, and protects recorded data from unauthorised viewing or tampering. Front-end internet access can be via Ethernet, integrated ADSL, cable or 3G modems. Trials are also being conducted on a low-cost, guaranteed-bandwidth, bi-directional satellite link.

The front-end unit can be connected to external sensors to trigger recording or build a time-stamped graph of events. Other features include MPEG2 and MPEG4 compression technology, optional diversity wireless inputs, compatibility with standard USB hard disks with virtually no size limits, and more.



Specification:
Thumbnails

Image Standard	Encrypted JPEG
Resolution	User Controllable
Frame rate	0-10 fps, depending on network bandwidth

Audio

Input	
Composite Video 1	BNC
Composite Video 2	BNC (optional)
RS232 control	Lemo
Trigger inputs x 4	Wire Connection
Power	4-Pin 0B Lemo

Output	
Composite Video 1	BNC
Composite Video 2	BNC (optional)
Stereo line level audio 1	Lemo
Stereo line level audio 2	Lemo (optional)
Trigger output x 4	Wire Connection
PTZ Control Out	(Depends on Customer Camera Type)

Network/Modem Ports	
Ethernet port 1	RJ45

Storage/3G/Wi-Fi Ports	
USB host port 1	USB-A

Network Interfacing	
Ethernet	10/1 00 Mb/s
Other Optional Supported Interfaces include:	ADSL or Cable modem
	WiFi
	3G card

Storage Capacity	
Internal hard disk capacity	160GB (up to one week continuous recording)

Video	
Line Standard	PAL/NTSC

Output	Line Level
Sample Rate	32KHz, 16KHz, 8KHz
Bits per sample	12 or 8 bit

Encryption	
Format	ABS 32 bit as standard

AES128/256 (optional)

Control	
Unit Setup	Ethernet/RS232 Control via PC application or RS232 control via optional touch-screen controller

Resolution	704, 528, 480, 352
Coding Mode	MPEG2 or MPEG4

Frame rate	Full/Half/Quarter/Eighth (selectable) Physical
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Rugged Aluminium Box Briefcase	L 120mm, W 180mm, H 80mm Size depends on number of fitted options
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Power	
DC input	9 to 16V Reverse Polarity Protected
Power Consumption	From 10W, depending on options fitted

Environment	
Temperature range	-10 to +50 deg C

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