

## LS-iP-Seminar | Professional

Leading Medical Communications - The Consultants Choice

The Life Stream LS-iP-Seminar system is specifically designed as a solution for medical seminar environments offering the highest quality video and image transfer capabilities, realising the needs of the medical consultants. Offering high resolution image capture and video camera technology the LS-iP-Seminar provides the capabilities to support all medical disciplines, communicating within campus and around the globe.



The Life Stream LS-iP-Seminar Professional provides the ultimate solution for medical communications within existing seminar room environments. Providing image capture up to 2048x1536 resolution from your medical application for streaming to remote locations.

Full Pan/Tilt/Zoom camera control provides a full communication and diagnostic session whenever required.



The camera offers great picture quality even in the darkest meeting rooms, with its low light compensation.

The Graphical User Interface is designed for maximum flexibility enabling bespoke screen layout and operation to be achieved for varying requirements, offering real time manipulation of data within every communication. The system is controlled by a touch screen LCD for ease of use.

The system provides the ideal solution for Trust wide MDT meetings, each site in full communication with the other. The image capture input from the medical system displays the information both locally and remotely for full discussion, with quality suitable for full diagnosis.

The Life Stream integration system offers full flexibility to meet any existing seminar room requirements, utilising industry standard cables and connections.

The audio processing is provided by the Market Leading ClearOne Interact Pro technology offering multiple microphone integration and echo cancellation technology. The system comes with dual microphone pods or a ceiling mounted microphone for great meeting room coverage.

The Life Stream system will integrate with all display devices such as LCD, LED, plasma or projector.

The Life Stream technology has been developed to meet the requirements of the medical consultants for which it is intended, offering ease of use with no boundaries to the medical imaging capabilities in every communication.



A  
"World First"  
said the BBC

<http://www.life-stream.co.uk/south-today.html>

**ClearOne.**



State-of-the-art audio handling with echo cancellation offering crisp audio quality and total flexibility for all environments.

## LS-iP-Seminar Specification

### System Components

1 x Life Stream Integration Professional Unit  
1 x Network Streaming cameras  
1 x ClearOne Interact Audio Conferencing Unit  
2 x ClearOne Microphone pods or 1 x Ceiling Microphone

### Communication

1 x RJ45 Network Sockets  
1 x DVI/HDMI/VGA Capture Input  
1 x Phone Audio Output  
1 x DVI/HDMI/VGA Display Output

### Network Camera

Resolution 704x576 25fps  
Pan/Tilt/Zoom  
Zoom x12 optical  
Zoom x4 digital

### Video Standards

Mpeg4 Camera streams  
Mpeg2 data streams

### Data Capture Inputs

1 x DVI/HDMI/VGA Inputs  
Max Resolution 2048x1536  
Maximum Sample Rate: 170M pixels / second  
60 frames / second

### Audio Standards

G.711 PCM 8 kHz 64kbit/s  
G.726 ADPCM 8 kHz 32 or 24 kbit/s

### Audio Performance

Conditions: Unless otherwise specified, all measurements are performed with a 20 Hz to 22 kHz BW limit (No Weighting)  
Frequency Response:  
20 Hz to 22 kHz BW, Max Gain  
Noise (EIN):  
-124 dBu@22 kHz BW, Max Gain,  
Rs = 150 THD+N: < 0.02%  
Dynamic Range: 100 dB (non A-weighted)  
Crosstalk < -91 dB rel 17 dBu  
Sampling Rate: 48 kHz  
A/D - D/A Converters 24-bit

### Microphone Input Parameters

Input Gain Adjust  
Mic or Line Level  
Phantom Power ON/OFF  
Echo Cancellation ON/OFF  
Noise Cancellation ON/OFF  
PEQ  
Filters  
Mute ON/OFF  
Chairman Override ON/OFF  
AGC ON/OFF  
Automatic Level Control ON/OFF  
Auto Gate/Manual Gate  
Adaptive Ambient ON/OFF

### Operating Platform

Windows XP Pro / Windows 7  
Life Stream user interface  
Bespoke layout options available

### Security

Admin and User level passwords  
IP Restriction Access  
Active Firewall  
AES 256Bit Encryption - Optional  
(Barracuda NG F10 Unit)

### Power

AC Voltage 100-240V, 50-60 Hz, 2.5A