

## LS-MOBILE | Professional

Leading Medical Communications - The Consultants Choice

The Life Stream LS-mP system is specifically designed as a mobile solution for medical 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-mP provides the capabilities to support all medical disciplines, communicating within campus and around the globe.



The Life Stream LS-Mobile Professional provides the ultimate solution for medical communications in a mobile form. 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 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 mobile trolley system offers ease of movement between rooms or departments, utilising the available space within the hospital environments.

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 for great meeting room coverage.



The LED display technology provides clear image clarity in all light conditions with high quality sound output for those important discussions.

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-mP Specification****System Components**

1 x Life Stream Mobile Professional Unit  
 1 x 1080p Network Streaming cameras  
 1 x ClearOne Interact Audio Conferencing Unit  
 2 x ClearOne Microphone pods

**Communication**

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

**Display Unit**

LED display 1920x1080 resolution  
 2 x right/left channel speaker - 10 Watt

**Network Camera**

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

**Video Standards**

Mpeg4 Camera streams  
 Mpeg2 2000x2000 pixel 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