

trackit **Cam**

Brilliant
performance
in any light



lifelines[®]
neuro

The Lifelines Neuro Trackit Cam is an HD infrared USB camera that performs well in low light to enhance our Trackit Video EEG Systems.

Features

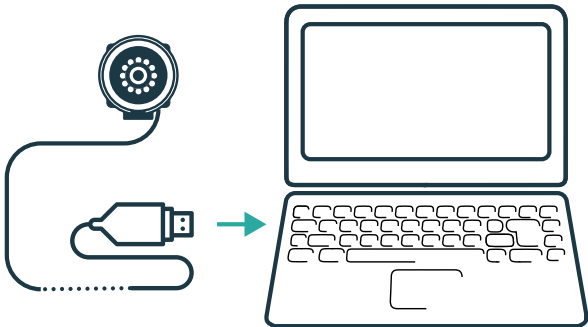
- USB powered (single cable)
- HD H.264
- Auto switching IR LEDs and monochrome filter for night time
- Built in microphone, no need for external microphone
- UVC standard driver (no additional driver required)
- Ultra low light Camera (minimum illumination 0.01 lux)
- Advanced Sony IMX322 Sensor
- Max resolution: 1920x1080P, 2.0 Megapixel
- Compression format: H.264/MJPEG/YUV2 (YUYV)
- IR LED board for night vision
- 3.6mm fixed focus lens
- USB 2.0 High speed port

The Trackit Cam is compatible with the Trackit V and Trackit F EEG systems.

Benefits

- Small, light, and flexible
- HD, infrared camera provides exceptional performance in low light, illuminating sleeping patients when further away from a light source.
- The USB power connector enables the camera to always record when the computer is on, even when unplugged from the power source, without interrupting a study.
- A built-in microphone enables synchronized audio and video.
- Standard 1/4" tripod mount, for a wide range of mounting options - tripods, arms, and carts for flexible use-cases.
- USB connector makes repair/replacement easy - no need to send the entire EEG system in for repairs.

1. Plug camera into USB port of computer.



2. Windows will recognise the device as 'Lifelines TrackitCam' and will install the appropriate driver automatically.
3. The camera is ready for use.

SPECIFICATIONS

Overall dimensions	W: 2.67" (68mm) D:2.83" (72mm) H:2.75" (70mm) Ø: 2.60 (66mm)
Weight	4.76oz (135g)
Image Sensor	Diagonal 6.23 mm (Type 1/2.9 inches)
Total number of pixels	2000(H) X 1121(W) approx. 2.24 MP
Max. resolution	1080P
Compression format	H.264/MJPEG/YUV2 (YUYV)
Resolution & frame rate	<p>H.264: 320X240@30fps/ 352X288@30fps/640X360@30fps/ 640X480@30fps/800X600@30fps/ 1280X720@30fps/ 1920X1080@30fps</p> <p>MJPEG: 320X240@30fps/ 352X288@30fps/ 640X360@30fps/ 640X480@30fps/ 800X600@30fps/ 1280X720@30fps/ 1920X1080@30fps</p> <p>YUV: 320X240@30fps/ 352X288@30fps/ 640X360@30fps/ 640X480@30fps/ 800X600@15 fps</p>
S/N ratio	42dB
Dynamic range	86dB
Sensitivity	5.0V/lux-sec@550nm
Minimum illumination	0.01lux
Shutter type	Electronic rolling shutter/Frame exposure
Connecting port type	USB 2.0 High Speed
Driverless protocol	USB Video Class (UVC)
OTG support	USB 2.0 OTG
AEC/AEB/AGC	Supported
Adjustable parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, Gain, White balance, Backlight Contrast, Exposure
Lens	3.6mm
Digital audio	High quality digital microphone
Night vision	IR LED, 650nm IR wavelength

Power supply	USB bus power, DC5V, 500mA
Working temperature	+5°C to +40°C
Storage temperature	-25°C to +70°C
Cable	2m
Mounting	Standard ¼ inch tripod mount
Operating system	Win7 or above, Mac OS, Linux 2.6 or above, Android 4.0 or above
Regulatory compliance	CE-marked. Compliant with EU Directives: 2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility 2011/65/EU as amended by (EU) 2015/863 Restriction of hazardous substances
Standards	EN IEC 62368-1 Safety requirements of audio/video, information and communication technology equipment EN 55032 EMC emission requirements - Multimedia equipment EN 55035 EMC immunity requirements - Multimedia equipment EN 61000-3-2 EMC Harmonic current emissions EN 61000-3-3 EMC Voltage fluctuations FCC Part 15 Subpart B Radio frequency devices



Imagine EEG Anywhere®

Lifelines Ltd
 1 Tannery House, Tannery Lane,
 Woking, Surrey, GU23 7EF UK
 Telephone +44 (0) 1483 224 245
www.lifelinesneuro.com
sales@lifelinesneuro.com