

TRACKSYS

L T D



OBSERVE • UNDERSTAND • COMMUNICATE

Tracksys

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Please contact us to discuss your proposed projects in detail, and we will provide an up-to-date quotation for the most cost-effective solution.

Tracksys was established in 1993 to supply and support a wide range of solutions for behavioural researchers. We are the UK and Ireland distributors for a range of companies including Noldus Information Technology (www.noldus.com), SensoMotoric Instruments (www.smi.de) and SIMI (www.simi.com). The solutions we provide range from manual and automated behavioural coding to eyetracking, motion analysis and signal acquisition analysis. We provide fully integrated solutions including a range of hardware and software components, as well as training and long-term support.

Our aim as a company is to support researchers and enable them to carry out their work more objectively, quickly and thoroughly with less effort. We provide tools to **OBSERVE** and record behaviour, as well as analyse and **UNDERSTAND** it, so as to best **COMMUNICATE** the results. Our team consists of post-doctoral researchers with over 20 years experience supporting our systems.

Service

A full service including

- On-site demonstrations
- Free research planning, costing and justification for grant applications
- Complete bespoke solutions - everything you need to get started straight away
- On- and off-site training and continued free lifetime support by phone and email
- General, refresher and tailored 1-day training courses
- Consultancy - let us do the work for you



Complete solutions

All our technical staff are former researchers so we know how important it is to;

- Speak to someone who will understand what you want to do quickly and be able to offer a complete, cost-effective solution.
- Have all the equipment you need delivered speedily so you can get started immediately.
- Receive comprehensive, tailored training in the use of the system you've bought for the application(s) you need to use it for.
- Get technical support by phone or email quickly at no additional cost.
- Have the opportunity to update your system or add additional components at a discount in the future.

Tracksys provide all of the above as part of our service. Although we don't do the research ourselves anymore, we understand what's needed to get high-quality research done quickly and efficiently. Contact us to see how we can help you.



Tailored training



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Bespoke Solutions

Over the years we've been approached by researchers who often need bespoke equipment for their studies.

We've developed a range of unique products including a beetle activity monitor, a camera to catch the moment a bird of prey strikes its target,

our range of IR mazes and a press & hold down keyboard.

If you have a particular project in mind that will need equipment that has not yet been developed please contact us.

The Observer XT



Parent child interactions

In Brief

Researchers across the range of behavioural sciences, from psychology to zoology, ergonomics to sports need to collect specific behavioural data.

The Observer is a complete system for recording, reviewing and analysing behaviour, live or from video. You can also import timed comments, logs and analogue data.

Define, code, display and analyse behaviour quickly and easily with almost limitless flexibility. The Observer is used in research, coaching, teaching and training.

Options & Complementary Equipment

The Observer XT Base Module	Experimental design, live coding and analysis.
The Observer XT Mobile Module	Add-on to the Base Package for use with the Psion Workabout Pro or a PDA.
Video Module	Score from a range of digital movie formats and automatically generate video highlights. Display up to 2 synchronised views.
External Data Module	Import, display and analyse analogue data synchronised with your behaviours.
Multiple Video Extension	View & code up to 4 synchronised movies.
The Observer Student Edition	Introduce students to behavioural research using a project you've designed.
Video Course in Behavioural Observation	Teach students the fundamentals of behavioural observation.

Hardware Components

MPEG recorder	Collect any video source as digital media files for video analysis.
MP3 recorders	Record audio.

Complementary Equipment

Remote site video systems	Custom-built standalone 12volt systems (page 15).
Portable Labs	Collect, analyse data and report findings on site (page 13).
X-Keys	Start and stop observations and record behaviours
uLog	Automatically record keystrokes, mouse clicks and scrolling.
Video equipment	A range of VCRs, cameras and other equipment to suit your project and budget.

The Observer XT

Features and Benefits

Can be used to collect quantitative and qualitative behavioural data in any situation. *Collect exactly the data you want, in the form you need it, whatever your application.*

Generate descriptive statistics and graphs instantly, formatted the way you need them. *Quickly get meaningful statistics, tables and graphs from your observations that you can use straightaway.*

Use any video source and make multiple passes to add depth to your observations. *Complex data can be collected easily and without error.*

Access any point in your videos at the touch of a button and generate video highlights directly from your coding. *Great for teaching, training, coaching or presentations.*

Mobile solutions available using the rugged Psion Workabout Pro or a PDA. *Code live wherever you need to, indoors or out.*



A clear, feature rich interface

Users & Examples

1000s of systems in use worldwide by;

- | | |
|---|---|
| Developmental Psychologists | Analysing parent-child interactions. |
| Pharmacologists/ Neuroscientists | Analysing pre-clinical drug effects. |
| Entomologists | Researching predator efficiency. |
| Ergonomists | Analysing the workload of railway signalmen. |
| Usability | Assessment of software, products and websites. |
| Sports Scientists | Identifying differences in patterns of play between teams. |
| Sports Coaches | Producing match statistics and highlight clips. |
| Market Researchers | Looking at shopping behaviour. |
| Zoologists | Coding primate behaviour in Africa with handheld computers. |
| Consultants | Analysing patient-doctor interactions from audio-only recordings. |

EthoVision

In Brief

Animal researchers have an increasing need for accurate quantitative data of activity patterns that can be collected automatically with high throughput.

EthoVision is a fully integrated system for the automatic recording, display and analysis of activity, movement and interactions between animals in any arena. The system also includes automatic head and tail tracking.

System options include; multiple animals in multiple arenas, low-light tracking and tracking transgenic animals with patchy coats without the need for markers.

Use with automated mazes



Options & Complementary Equipment

EthoVision Basic	Tracks 1 animal in any arena type.
EthoVision Pro	Tracks 1-2 animals in up to 100 arenas.
EthoVision Colour-Pro	Tracks up to 8 animals per arena and as for the Pro system.
IR mazes and stands	Complete solutions eliminate problems caused by coat colour variation and urine reflections (page 17).
PhenoLab	Intelligent home cage observation system.
X-Keys	Start and stop observations and record behaviours.
VCRs	For real-time and time lapse work.
MPEG encoders	For digital movie solutions.
The Observer XT & Theme	Zone and manually scored data can be exported for more advanced analysis in The Observer XT (page 4) and Theme (page 14).



IR Plus Maze



PhenoLab

EthoVision

Features and Benefits

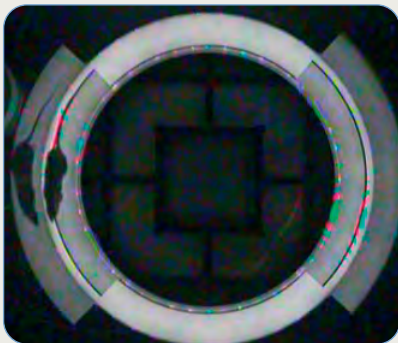
Full automation of experiments - stopping/starting or running a series of trials without touching a button. *Saves you time and reduces human error.*

Track live, from analogue or digital video or faster than real-time with digital movie files. *Collect data wherever you like, whenever you like.*

Track interactions between up to 8 animals in up to 100 arenas with colour marking or up to 2 animals in up to 100 arenas with contrast tracking. *High throughput without observer bias.*

Define multiple areas and objects of interest - fine tuning your analysis. *Quickly identify treatment effects and subtle behavioural traits.*

Augment your tracks with manually scored behaviours. *Enrich your data with your own observations.*



IR Zero maze

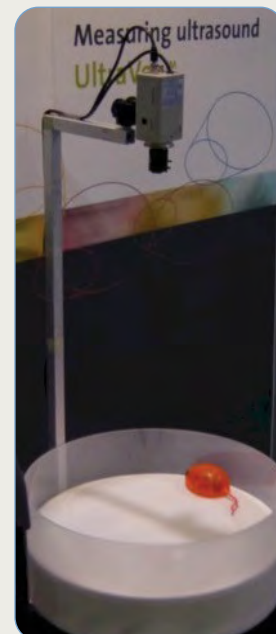


A clear, feature rich interface

Users & Examples

100s of systems in use worldwide by;

- Behavioural Pharmacologists** Analysing pre-clinical drug effects using all standard maze types.
- Zoologists** Tracking sheep in social interaction studies.
- Entomologists** Tracking insect predators and their prey in efficacy trials.
- Marine Biologists** Examining the effects of water pollutants.
- Animal Welfare specialists** Assessing stress indicators in pigs.
- Animal Model researchers** Tracking 96 zebrafish larvae simultaneously in wells for analysis of drug effects.



Complete solutions with mazes and camera gantries

iView-X

In Brief

A wide range of researchers and clinicians need to know where people are looking to understand how our eyes work and how we process visual information in different situations.

iView X is a video-based eyetracker that automatically collects data about where someone is looking and what they are looking at. It is available with portable, high-speed and remote options, so you can collect data anywhere.



A range of eyetrackers for any situation

Options & Complementary Equipment

HED (helmet-mounted interface)	For real-world eye-movement studies. Radio transmission and portable options available.
RED (remote interface)	For completely non-invasive tracking.
Hi-Speed	Fastest shift-compensated eye-tracking; up to 1250Hz.
PrEyeMate	For eyetracking in non-human primates.
MEyetrack LR	Long-range camera and mirror-box for tracking in fMRI scanners.
MEyetrack SV	Fibre-optic goggles for stimulus presentation and tracking in fMRI scanners.
3D VOG	For measurement of torsional eye-movement.
Head-tracking	For fixation analysis in 3D environments.
V6-HMD	Integration with the V6 virtual reality helmet.
The Observer XT	Analyse gaze position videos and gaze sequences (page 4).
Theme	Discover complex gaze patterns (page 14).
Consultancy	We provide eyetracking services, analysis and reports. Please contact us for more details.

iView-X

Features and Benefits

Highly advanced video-based tracking with high resolution and accuracy available ($< 0.5^\circ$). *Precise, error-free data.*

Measures corneal reflection as well as the pupil. *No time lost recalibrating as a result of head-movement.*

A flexible and intuitive system that allows the user to switch between camera interfaces for different applications. *One system can serve the needs of a number of users with no re-training.*

Simple, user-friendly interface. *Reduces set-up time and effort.*

Automated analysis of fixations/saccades and areas of interest. *Collect meaningful data quickly.*

Real-time video with gaze position overlay can be analysed with The Observer XT. *Understand where the subject is looking in a dynamic environment.*

Easily integrated with standard stimulus software packages e.g. E-prime, NBS Presentation, Superlab with on-line data streaming via ethernet. *Saves valuable experiment set-up time.*

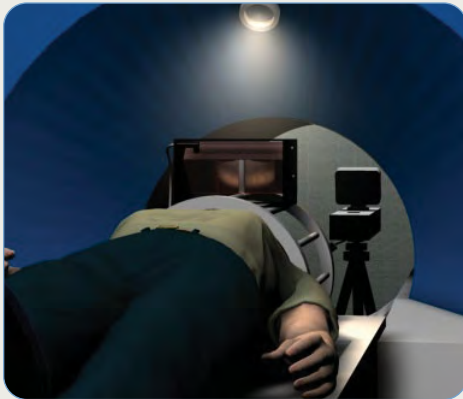


High-speed system

Users & Examples

100s of systems used worldwide by;

- | | |
|------------------------------|--|
| Psychologists | Analysing effects of skill and experience on eye-movements during reading. |
| Usability Researchers | Performing in-car recordings of where drivers are looking. |
| Market Researchers | Assessing product placement and visibility. |
| Clinical Researchers | Studying the vestibular system. |
| Neuroscientists | Conducting fMRI studies. |



Eyetracking in fMRI



Complete, integrated solutions

SIMI Motion

In Brief

Motion scientists need to measure the movement of humans, animals and mechanical devices in 2D and 3D. Important data include forces, velocities, angles and distances for a range of applications from sports to ergonomics.

SIMI Motion is a video-based motion measurement system that can automatically collect these data, with powerful display and analysis features.

A clear, feature rich interface



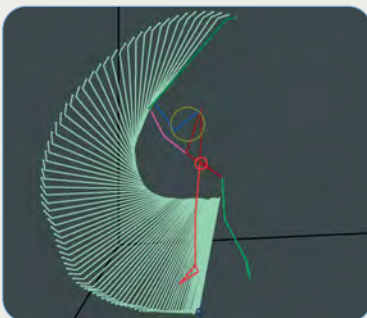
Options & Complementary Equipment

Cameras, brackets and tripods	Camcorders and high speed cameras with a range of mounting options.
EMG systems	Integrate EMG with your motion measurements.
Force Platforms	Integrate force data with your motion measurements.
MotionTwin	2D video and motion analysis for sports and medical applications. Includes comprehensive feedback and reporting tools.
Twiner	2D video analysis for training feedback.
VidBack	Video feedback for physical education & coaching.

Features and Benefits

Collect data using automatic (marker) tracking, automatic pattern matching (markerless) or manual digitisation. *Tracking is quick and easy.*

2D, 3D pan, tilt and zoom. Synchronously track from camcorders or high-speed cameras. *Flexible solutions to get the data you need.*



Flexible display and export options

Capture video direct to a laptop for immediate analysis. *Portable solutions for on-site work.*

Calculate coordinates, velocities, accelerations, angles and distances. Smooth and filter data. *A complete range of data analysis options.*

Visualise with tables, graphs, stick figure image sequences and apply 3D models to sets of points. *Display your results clearly, flexibly - immediately!*

SIMI Motion

Users & Examples

1000s of systems worldwide used by;

Clinicians	Assessing gait.
Coaches	Improving athlete performance.
Ergonomists	Studying manufacturing processes.
Lecturers	Teaching the principles of biomechanics.
Animators	Giving video game characters realistic movements.
Zoologists	Studying horse gait.

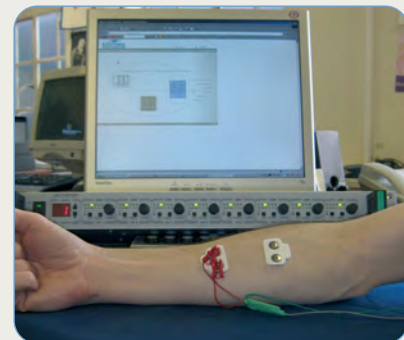
Bortec EMG System

In Brief

Designed for a range of research, clinical and educational applications, the Bortec electromyograph (EMG) system can be fully integrated with SIMI Motion making data collection easy and comprehensive.

How does the Bortec system work?

Place electrodes on cleaned skin. Attach colour-coded electrodes with clips. Plug in electrodes to belt pack, and attach single lead to base unit (10-50m away). Connect base unit to A/D converter integrated into the SIMI system.



Low-noise, high signal fidelity

Options & Complementary Equipment

SIMI Motion	Motion capture system integrated with the Bortec System (page 10).
Forceplates	We recommend AMTI forceplates, but support other manufacturers including Kistler.

Features and Benefits

Low noise – high signal fidelity. *Collect high-quality data.*

Up to 50m range via a single tethered cable. *Few restrictions on where you collect your data.*

Footswitch and remote triggering. *Flexible and adaptable.*

Fixed Labs

In Brief

Researchers using an observation room need to film discretely whilst getting close-up details of what their subjects are doing.

Our fixed laboratories feature concealed remote-control cameras and microphones with a range of recording options to match your research requirements and budget.

Options & Complementary Equipment

The Observer XT	Score from a range of digital movie formats and automatically generate video highlights. Display up to 2 synchronised views (page 4).
Multiple Video Extension	View & code up to 4 synchronised movies.
External Data Module	Import, display and analyse physiological data synchronised with your behaviours.
Screen Capture Module	Simultaneously code and record screen contents in The Observer saving time later on.
Theme	Discover complex behavioural patterns (page 14).
SIMI Motion	Measure movement in 2D or 3D (page 10).

Features and Benefits

Concealed, remote-control cameras mean the behaviour of the subjects is not influenced by the filming environment. *Data is not biased by filming.*

Zoom in to any part of the room at the touch of a button. *Never miss close-up details wherever they happen.*

Simple control systems. *Start collecting the footage you need immediately.*

A range of filming options including mixers, quad displays & picture-in-picture units. *Combine views for easy analysis.*

CD, DVD, analogue or digital tape recording. *Collect your footage in the form you need it for analysis, presentation or feedback.*

Comprehensive installation including all mountings and hardwired connectors. *No spaghetti to wrestle with!*

Advice from our experienced team of former researchers. *Professional support from people who understand your objectives.*

Users & Examples

Currently over 30 systems in the UK used by;

Psychologists Studying parent-child interactions.

Management Consultants Analysing interview techniques.

Usability Researchers Recording emotions during video gaming.

Sports Scientists Measuring movement during exercise.

Discrete filming solutions



Portable Labs

In Brief

Usability and HCI (Human-Computer Interaction) researchers often need to film their subjects investigating real-world situations on-site, and to provide immediate feedback.

Our portable filming labs have everything you need in a small lightweight case. You can record, analyse and present your results there and then.

Lightweight bespoke solutions



Portable Lab available for hire

Options & Complementary Equipment

The Observer XT	Score from a range of digital movie formats and automatically generate video highlights. Display up to 2 synchronised views (page 4).
Multiple Video Extension	View & code up to 4 synchronised movies.
External Data Module	Import, display and analyse physiological data synchronised with your behaviours.
Theme	Discover complex behavioural patterns in user interactions (page 14).
Mobile Device Camera	Record footage of handheld devices in use e.g. phones or PDAs (page 19).
Wireless options	Untethered audio and/or video capture.

A simple design with powerful filming options



Capture the user and their interface in the same movie in any situation. *Reduce your analysis time.*

Labs can be customised to suit you e.g. adding extra cameras for recording multiple users. Your lab fits your research needs. Typical labs contain a mini tripod camera, computer screen recorder, microphones and a digital movie recorder. *Get the footage you need whatever the application.*

Features and Benefits

Each lab has hardwired audio and video recording with a single power supply. *Easy to set up & use.*

Typical dimensions are 60cm x 40cm x 15cm and weight around 10Kg, including collapsible trolley. *Easy to transport and set up virtually anywhere!*

Simply plug in the lab, connect your laptop and record. *Your footage is ready to analyse immediately.*

Users & Examples

Currently over 15+ systems in the UK used by;

- HCI Researchers** Studying interface design.
- Usability Companies** Evaluating products.

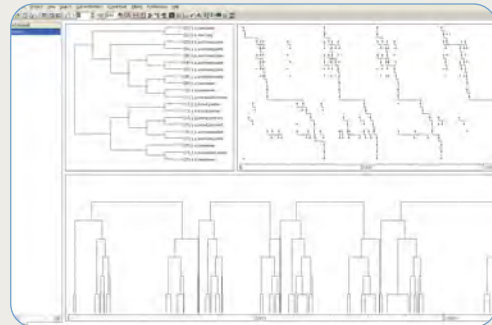
Theme

In Brief

Researchers are often interested in underlying complex patterns in their behavioural data that are difficult to detect using standard analytical methods.

Theme is a very powerful research tool that detects hidden patterns in data sets and identifies concealed relationships.

Powerful pattern detection features



Options & Complementary Equipment

The Observer XT

Discover patterns in behaviours of both individuals and groups coded in The Observer (page 4).

EthoVision

Find patterns in the order in which animals visit areas of interest (page 6).

UltraVox

Detect patterns in sequences of vocalisations (page 16).

Features and Benefits

Automatic detection of hidden patterns even if obscured by other events. *Provides new insights into data.*

Detects differences between subjects, effects of treatments, and precursors/consequences of specific behaviours. *Enriches your analysis and guides the formulation of hypotheses.*

Compatible with other data files, including those created by The Observer XT, EthoVision and UltraVox. *Analyse data from a variety of sources easily.*

In-built graphics display. *Visualise your patterns for presentation.*

Calculates a wide variety of easily-exported statistics e.g. for SPSS. *Makes post-hoc analysis easy.*

Users & Examples

Over 70 systems worldwide used by;

Health Professionals	Studying doctor/ patient communication.
Neuroscientists	Monitoring action potentials across neurons.
Psychologists	Examining relationships between spouses.
Education Researchers	Investigating learning in children.
Usability Specialists	Testing website designs.
Zoologists	Looking at feed pecking in birds.

Remote Site



Robust standalone solutions

In Brief

Zoologists often need to film their subjects in their natural habitat where mains power is not available and regular access can be difficult. In addition, animal activity can be sporadic and/or nocturnal.

Our remote-site filming systems are custom-built to match your requirements whether you are filming bats, badgers, foxes or early-morning joggers - to name but a few applications!

Options & Complementary Equipment

Day and/or Night cameras	A range of cameras to suit any application.
Multiplexers & quads	Filming from 1-16 cameras to a single tape or hard drive.
Infra-red lights	Robust waterproof lighting for night filming.
Passive infra-red detectors	Film only when there is activity.
Timer and time-lapse recorders	Programmable filming for long periods.
Digital Recorders	Capture straight to a hard drive.
First-Strike camera	Still photography of key behaviours.
The Observer XT	Quick and easy coding and analysis of your footage (page 4).

Features and Benefits

Complete self-powered 12 V waterproof filming systems. *Making sure you get the footage you need.*

Integrated power management, IR lights and passive IR detectors. *Optimise filming duration, film in darkness and only when there is activity.*

Real-time and time-lapse programmable recording. *Record when you want, for as long as you need.*

Add timecode to your recordings for immediate analysis. *Get data from your footage quickly and easily using The Observer.*

Users & Examples

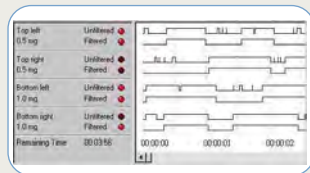
Dozens of systems in use in the UK by;

Conservationists	Monitoring bats using barns to roost.
Zoologists	Investigating social behaviour in badgers.
Ecologists	Monitoring fox activity patterns.
Physiologists	Studying farrowing behaviour in pigs.
Pest Management specialists	Assessing the biological control of insects.

UltraVox

In Brief

Pharmacologists and zoologists studying animal calls often need to record sounds at ultrasonic frequencies. UltraVox automatically records and filters ultrasonic vocalisations from rats, mice, insects, marine mammals and nocturnal primates.



Monitor multiple channels simultaneously

Options & Complementary Equipment

- UltraVox 1-channel For single animal work.
- UltraVox 4-channel For multiple simultaneous recording.
- The Observer XT Combine visually-scored behaviours with your ultrasound data (page 4).
- EthoVision Integrate calling behaviour with activity (page 6).

Features and Benefits

Record up to 4 channels simultaneously. *Process animals quickly and efficiently.*

Filter data to monitor vocalisation bouts of different lengths. *Select the call types you want to examine.*

Generate descriptive statistics and export raw or processed data to The Observer XT or directly to Excel or SPSS. *Automatically get the data you want, in the format you need.*

Users & Examples

- Pharmacologists** Monitoring calling behaviour in rat pups.

MatMan

In Brief

Zoologists, sports scientists and ergonomists often need to do matrix analysis on their data.

MatMan makes matrix manipulation and analysis easy whether you are looking at dominance hierarchies, shot sequences in tennis or postural changes.

	Queen	Worker 1	Worker 2	Worker 3
Queen	+	2	4	1
Worker 1	8	+	11	3
Worker 2	12	5	+	9
Worker 3	18	6	5	+

Analyse your matrix quickly and easily

Options & Complementary Equipment

- Theme** A powerful pattern recognition tool (see page 14).

Features and Benefits

Analyse sociometric and behavioural matrices at the touch of a button. *Identify relationships and their strengths quickly and easily (also see Theme on page 14).*

Built-in analysis functions for Kendalls Tau, Spearmans Rho and Pearsons r. *Automatically get the data you want.*

Users & Examples

- Zoologists** Investigating dominance in baboons.
- Coaches** Analysing play patterns in football.
- HCI Researchers** Looking at website use.

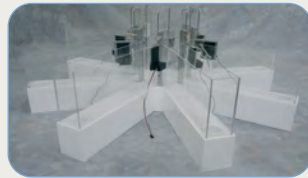
IR Mazes

In Brief

Pharmacologists and zoologists track the movement and location of animals in a range of standard maze types. Tracking in these mazes can be problematic because of coat-colour variation, reflections (e.g. from urine) and low build-quality of the maze.

Our IR mazes eliminate the above problems, are built to order and can also be supplied in a range of standard sizes.

Automated IR radial maze



Tower system	Unique design for filming large numbers of zebrafish
Non-IR mazes	All maze types have non-IR options
Colour, size and design	Can be made to almost any specification

Options & Complementary Equipment

Standard range of mazes	Including Canopy, CPP, Open Field, Plus, Automated Radial, T & Zero mazes.
EthoVision	Track & analyse animal movement automatically (page 6).

Features and Benefits

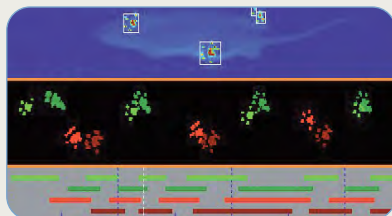
Underfloor lighting. Eliminates coat-colour problems tracking transgenics by tracking the IR-shadow. *Get reliable, robust data irrespective of coat colour/ markings, background floor colour and lighting (day/night).*

Urine pools are invisible when underlit and cause no reflection problems. *Only your animal is tracked - not its by-products.*

High quality build allows for easy, thorough cleaning. *Quick turnaround between runs.*

CatWalk

In Brief



Pharmacologists often want to examine rodent gait in more detail. CatWalk is an automated gait analysis system that measures a range of important parameters including the duration of phases and pressure changes across each foot.

Options & Complementary Equipment

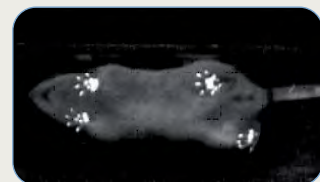
EthoVision	Examine locomotion and activity in a range of mazes (page 6).
The Observer XT	Analyse rodent behaviour (page 4).

Features and Benefits

Automatic gait analysis measuring a range of parameters including pressure, stride length, swing and stance duration. *Collect and analysis the data you need quickly and easily.*

Clearly differentiate between a paw in contact with the surface and one in the air. *Robust data collection for a range of research applications e.g. pain assessment.*

A diagnostic tool for a range of diseases and disabilities including arthritis and stroke. *Replaces more subjective testing with accurate, objective data.*



ActiWatch

In Brief



Can be used anywhere

An extremely lightweight system for the recording and analysis of accelerometer readings to gauge activity of animals and limbs. For use on humans, farm and domestic animals. Variants can be used

to administer questionnaires to clients at intervals as well as logging events.

Options & Complementary Equipment

The Observer XT Validate activity measures, and calibrate them, using The Observer XT External Data Module (page 4).

Features and Benefits

Records activity at 1 minute intervals. *Long-term unobtrusive monitoring.*

Records at 2 second intervals. *Intensive monitoring of activity.*

Lightweight, and easy to attach. *High compliance rates.*

Users & Examples

Psychologists	Studying sleep disorders.
Zoologists	Monitoring movement in animal welfare studies.
Clinicians	Assessing sleep disorders.
Exercise Science researchers	Monitoring levels of activity.

Avisoft-SASLabPro

In Brief

A comprehensive sound recording and analysis system. Very flexible recording options, with real-time display of raw signal or spectrogram data. Ideal for use with birds, bats and rodent calls.

Can be used from a Notebook PC. *Make field recordings anywhere.*

Display, edit and filter your data. *Display the information in the way you need it.*

Classify and analyse sounds and sound 'events' you define. *Explore the information content of your sounds.*

Generate and playback artificial sound. *Construct your own messages.*

Options & Complementary Equipment

The Observer XT Analyse behaviour together with sound information (page 4).

EthoVision Automatically track the movement of animals as they call (page 6).

Users & Examples

Bat Researchers	Making automated ultrasonic recordings at remote sites.
Orthopterists	Monitoring grasshopper calls in the field.
Behavioural Pharmacologists	Recording and analysing rodent alarm calls.
Ornithologists	Studying bird song.

Features and Benefits

Capture sounds quickly and easily and process data automatically. *Data collection is flexible and easy saving you time and effort.*

Flexible recording options. *Sample at the rate you need and with autotriggering.*

VisionLab

In Brief

Psychologists teaching visual perception need to give high-quality interactive demonstrations, but these can take time and effort to set up.

VisionLab transforms your PC into a visual perception laboratory. Students experience visual effects and illusions, giving them the opportunity to learn a variety of psychophysical and statistical methods.

Options & Complementary Equipment

Site licence	For unlimited workstations.
Additional shutter glasses	For larger classes.
VisionWorks	A complete system for designing and implementing highly controlled experiments in visual perception and psychophysics research.
iView-X	Measure eye-movement during visual illusions and effects (page 8).

Features and Benefits

Over 30 experiments and demonstrations, including illusions, apparent & relative motion, stereograms, after-effects, spatial frequency shift and more. *Teach a wide range of visual effects.*

Alter parameters in a menu-driven program. Easy to use and flexible. *Set up your laboratory in half an hour or less. Saves time and effort.*

Includes stereo shutter glasses. *Display exciting stereoscopic effects.*

Comprehensive on-line manual, including thorough descriptions and explanations. *Reduces teaching and preparation time.*

Users & Examples

Over 200 users worldwide, including;

- Psychologists** For lectures and lab sessions.
- Psychophysicists** Studying visual perception.

Mobile Device Camera

In Brief

Ergonomists often want to assess handheld devices in use, but getting a camera in the right position and keeping it there as the user moves around is a problem. The lightweight Mobile Device Camera is the solution whatever handheld you are using.

Options & Complementary Equipment

Radiotransmission	Complete freedom of movement - no trailing wires.
Portable Lab	Record, analyse and immediately present your findings on site (page 13).

The Observer XT Make quantitative assessments of devices quickly, easily and comprehensively (page 4).

Features and Benefits

Lightweight - less than 75g and unintrusive. *Get an unbiased, natural video of a device in use.*



Discrete filming of a range of handheld devices

Colour image with audio when combined with Portable Lab. *See and hear all the detail you need.*

Flexible mounting platforms. *Attach any device e.g. phone or PDA.*

Tethered or radio transmission options. *Users have complete freedom of movement.*



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