

PHOTOBREAM ACTIVITY SYSTEM - HOME CAGE

The most powerful, flexible and easy to use system for animal screening studies



PAS- Home Cage with Rearing Option

Features & Benefits

- » Configure up to 64 test stations for rapid testing of large subject groups
- » Ability to run 24 hours a day for a full week without user intervention
- » 4 x 8 photobeam configuration precisely tracks the subject's path
- » Accurately records ambulation movements, fine movements, rearing, and time stamped (x,y) positions
- » Real time reporting of activity
- » Ability to graphically view and play back the subject's path
- » All study data is stored in a database, providing quick and easy export
- » Optional rearing frames available

PRODUCT OVERVIEW

SDI's Photobeam Activity System - Home Cage (PAS-HC) provides an affordable and flexible solution for long term activity testing. PAS-HC utilizes a laboratory's standard transparent cages, thus reducing the cost of a system. The system can be configured with up to 64 test stations with Locomotor frames or up to 32 test stations with the optional rearing frames. PAS-HC supports the rapid exchange of subjects in short studies, while affording the ability to run 24 hours a day for a full week without user intervention.

PAS-HC utilizes a 4 x 8 photobeam configuration to track the subject's path in its home cage. Optional features include rearing frames that are infinitely adjustable to accommodate subjects of different sizes. The PAS-HC Control Unit connects via USB allowing laptops to run the PAS-HC System. PAS-HC utilizes a database to store all study results in a single file in table format ready for export. This eliminates the need to cut and paste multiple files together in order to export study results to statistical

packages. PAS-HC accurately records ambulation movements, fine movements, rearing (if option is present), and time stamped (x,y) positions. PAS-HC additionally reports central vs. peripheral counts, zone entries, time in zone, distance traveled, speed and resting time. Powerful software features provide the ability to graphically view and play back the subject's path in a choice of eight different speeds.

PHOTOBREAM ACTIVITY SYSTEM- HOME CAGE COMPONENTS

- › 4 x 8 Photobeam Mounting Frame
- › Control Unit
- › Software
- › User Manual
- › All Cables and Connectors

PHOTOBAM ACTIVITY SYSTEM- HOME CAGE SPECIFICATIONS

Frame Dimensions	Inside Dimensions: 10" (W) x 18.5" (L) Outside Dimensions: 11.5" (W) x 20" (L)
Weight	4 lbs.
Composition	Stainless Steel Frames
Maximum # Stations	32
PAS Distribution Box	14.5" (W) x 10" (D) x 4.5" (H)
# of Photobeams	4 x 8
Photobeam Spacing	1.937"
Optional Rearing Frame	Frame dimensions as above with 8 beams – 1" apart
Standard Cable Length	12 ft.
Certifications	CE FDA CFR Part 11 (optional, extra cost item)

SDI PHOTOBAM ACTIVITY SYSTEM - HOME CAGE REQUIREMENTS

Windows 10/Windows 7 compatible computer system with USB connection. Minimum disk and memory sizes specified to support Windows 10/Windows 7 are acceptable.

SDI CONFIGURED COMPUTERS

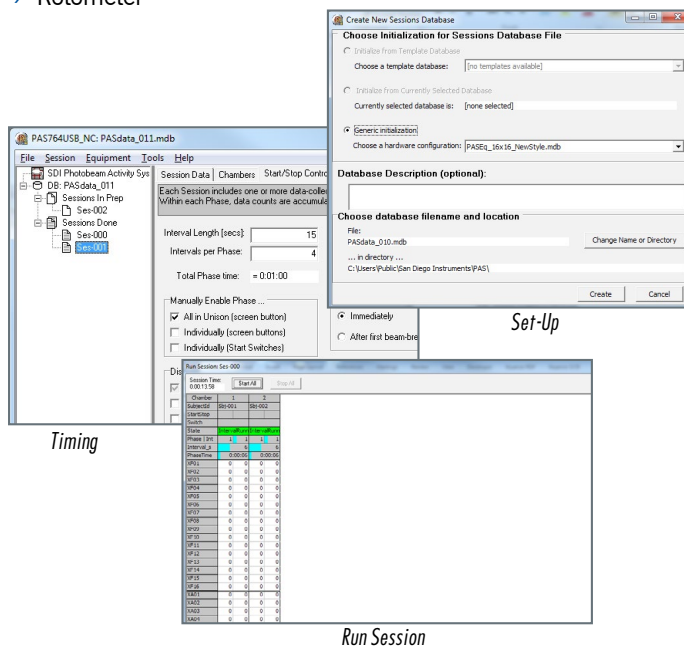
SDI offers high performance Configured Computers that are pre-installed with the Windows® operating system and applicable SDI software. If required, SDI will pre-install all relevant drivers. Each computer is fully tested with your system prior to shipment. When your SDI system arrives, all you have to do is unpack it, attach the cables and begin testing.

FOR MORE INFORMATION

To learn more about SDI behavioral testing systems or to view the online PAS-HC overview presentation, please visit www.sandiegoinstruments.com. If you have any questions or would like to request a quote please call (858) 530-2600 or email us at sales@sandiegoinstruments.com.

SDI ACTIVITY TEST SYSTEMS

- › Photobeam Activity System-Home Cage
- › Photobeam Activity System-Open Field
- › Place Preference
- › Rotometer



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