



# SCALABLE ANIMAL HOUSING SOLUTIONS



Pinnacle offers a versatile range of rodent housing solutions to support both tethered and wireless studies. Options include single and group housing, along with a variety of cage accessories to accommodate a broad range of experimental needs. Designed with a compact footprint, systems can be easily scaled using space-saving racks for high-throughput research environments.

## CIRCULAR CAGES AND CAGE ACCESSORIES



MULTIPLE SIZES AVAILABLE

**1 CAGE LIDS:** Cage lids securely contain animals while allowing easy access for cleaning and feeding. Options available for tethered, wireless, and long-term setups—including a filter lid to reduce exposure to allergens and contaminants.

**2 STANDS:** Stands accommodate a single animal cage and support equipment above it. The streamlined design maximizes accessibility to the animal while keeping a small footprint.

**3 CAGE EXTENDERS:** Increase the height of standard cages by 4" with stackable extenders for additional elevation.

**4 CAGE:** Circular cages allow full freedom of movement for tethered rodents, helping to prevent slack or tension in the cable. All cages are made of 1/4 inch clear acrylic and are suitable for use with most commercial cage washing equipment.

**5 WATER BOTTLE:** This lightweight bottle is easy to handle and appropriately sized for individual animals. Both the bottle and stainless steel holder are designed to withstand autoclaving.

**FOOD HOPPER (not pictured):** Stainless steel food hoppers dispense pellets with minimal disturbance and come in 25g (~6 pellets) or 50g (~12 pellets) sizes; additional hoppers can be added to increase capacity.

## ADD SYNCHRONIZED VIDEO

Cage setups are designed to integrate with Pinnacle's synchronized video system. Our **USB CAMERA** features a built-in IR source that adapts to lighting conditions and uses a single cable for both power and data. Using Sirenia software, video is automatically synchronized with data collection for an accurate visual representation of animal activity.

# GROUP HOUSING SYSTEM

## MULTI-SYSTEM CAGE RACK

Our **MULTI-SYSTEM CAGE RACK** is built for high-throughput research, optimizing space and organization. We offer 4-system and 8-system racks that maximize the number of Pinnacle systems housed within an organized footprint, ensuring efficient use of valuable lab space.

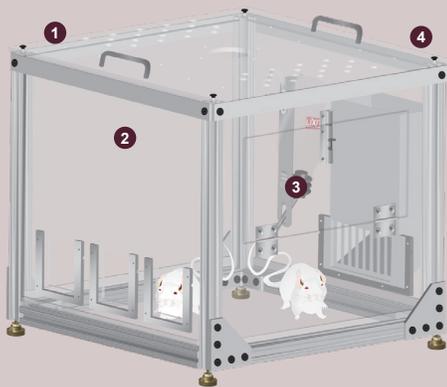
### KEY FEATURES

- ◇ **Space-efficient racks** designed for high-throughput research
- ◇ **Standardized footprint** streamlined lab planning and mobility
- ◇ **Streamlined cable management** for hassle-free setup
- ◇ **Optional cage accessories** including food hoppers, water bottles, and lids, for comprehensive animal care



## GROUP HOUSING

Pinnacle's **GROUP HOUSING SYSTEM** is a modular, customizable social housing chamber for studies using up to four rats. The system allows for a variety of experimental set-ups, including behavioral and physiological studies. It can also be used as a home cage for long-term experiments. The cage has easily interchangeable panels and an option to add video.



Choose any four walls to be added to your core cage set-up. Order additional panels to swap out for different experiments. Select behavioral and tracking components to enhance your group housing system.

### PANEL OPTIONS

- 1 **Blank Panel** - No additional features.
- 2 **Operant Panel** - Mount up to three fixtures compatible with third-party products.
- 3 **Door Panel** - Allows easy access to the animals without removing the lid.
- 4 **Food & Water Panel** - Includes a food hopper and water bottle holder.



MODULAR DESIGN



CUSTOMIZABLE



USE AS A HOME CAGE



BEHAVIORAL TESTING



RFID



VIDEO TRACKING