

SYNCHRONIZED VIDEO CAPABILITY

Pinnacle's **VIDEO SYSTEM** can record up to four simultaneous *in vivo* experiments on one computer. Our Sirenia® software synchronizes video recordings with biopotential and biosensor data, providing an accurate representation of an animal's overt behavior in conjunction with its physiological response. The video system consists of two components—a base computer package and a camera package. Together, they provide everything you need to incorporate video capture into your research. The video system is compatible with all of Pinnacle's hardware systems. Order it as an accessory to a new system, or easily integrate it into your current Pinnacle set-up. It can also be used as a stand-alone video system. Camera options are described below.

KEY FEATURES

- Record in color or grayscale
- Record in low light or complete darkness
- Flexible file size management
- Synchronized video with data recordings
- Unrestricted video playback
- Record from any angle (Box/HD)

OPTION 1

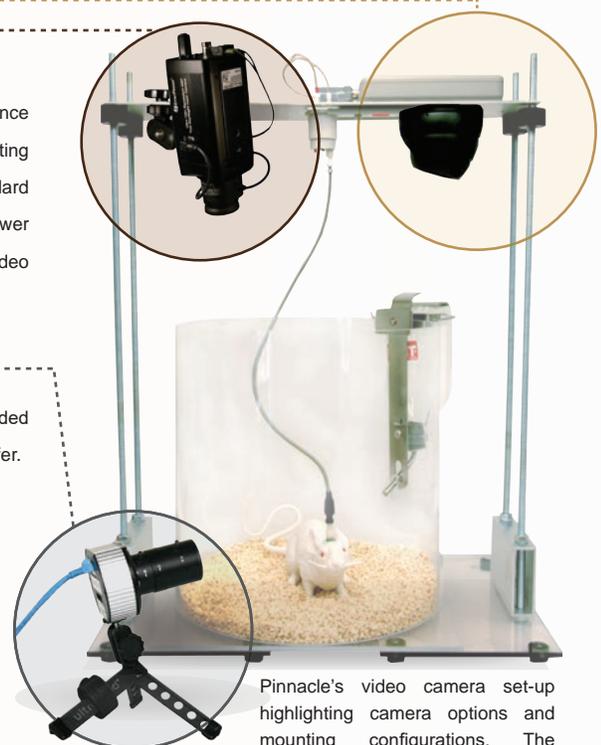
Pinnacle's dome camera mounts above the cage. Its built-in infrared illumination adjusts to lighting conditions automatically, allowing video recording in reduced lighting and complete darkness.

OPTION 2

The box camera has improved optics and low-light performance compared to the dome camera, as well as flexibility in mounting options. It can be mounted above the cage using Pinnacle's standard mounting plate, on the cage stand, or to a tripod for recording at lower angles. A separate, automatic infrared illumination source allows video capture in conditions of low light and complete darkness.

OPTION 3

The high definition (HD) Internet protocol (IP) camera includes all the features of the box camera with the added capability of recording at six times the resolution. The camera uses a single cable for power and data transfer.



Pinnacle's video camera set-up highlighting camera options and mounting configurations. The independent IR source is not shown.

FEATURES	DOME	BOX	HIGH DEFINITION
Lens	3.6 mm (internal)	4 mm (external)*	2.8 - 12 mm variable (external)*
Max Resolution	640 x 480 pixels	640 x 480 pixels	1920 x 1072 pixels
Max Frame Rate	30 fps	30 fps	30 fps
Mount	Above	Above, Side, Tripod	Above, Side, Tripod
IR Source	Integrated	Independent	Independent
Color/Grayscale	Both	Both	Both
Interface	Analog	Analog	Digital Ethernet

* Accepts standard C-mount lens

SYNCHRONIZED VIDEO SYSTEM	
Product	Item #
Base Video Computer Package	9000-K1

Includes a preconfigured computer, a high-definition monitor, a docking station for easy data transfer, a keyboard and mouse, and cables. Up to four cameras can be added to a single video system. Cameras are sold separately.

CAMERA PACKAGES	
Product	Item #
Dome camera with integrated IR source	9000-K9
Box camera with independent IR source	9000-K10
HD camera with independent IR source	9000-K11
Additional HD cameras with independent IR source	9000-K12

Each camera package includes a camera, IR source, mounting accessories, extension cable, and one Sirenia® license key.

ADDITIONAL PRODUCTS

Product	Item #
Variable Focus Lens (Box)	9056-VF
Tripod (Box and HD)	9059
Illuminator	9057
Enhanced Illuminator	9057-EN

Integrated video can be added to any Pinnacle recording system through the Sirenia® software platform. Video is synchronized within 100 milliseconds to simultaneous EEG, EMG, or biosensor data.