

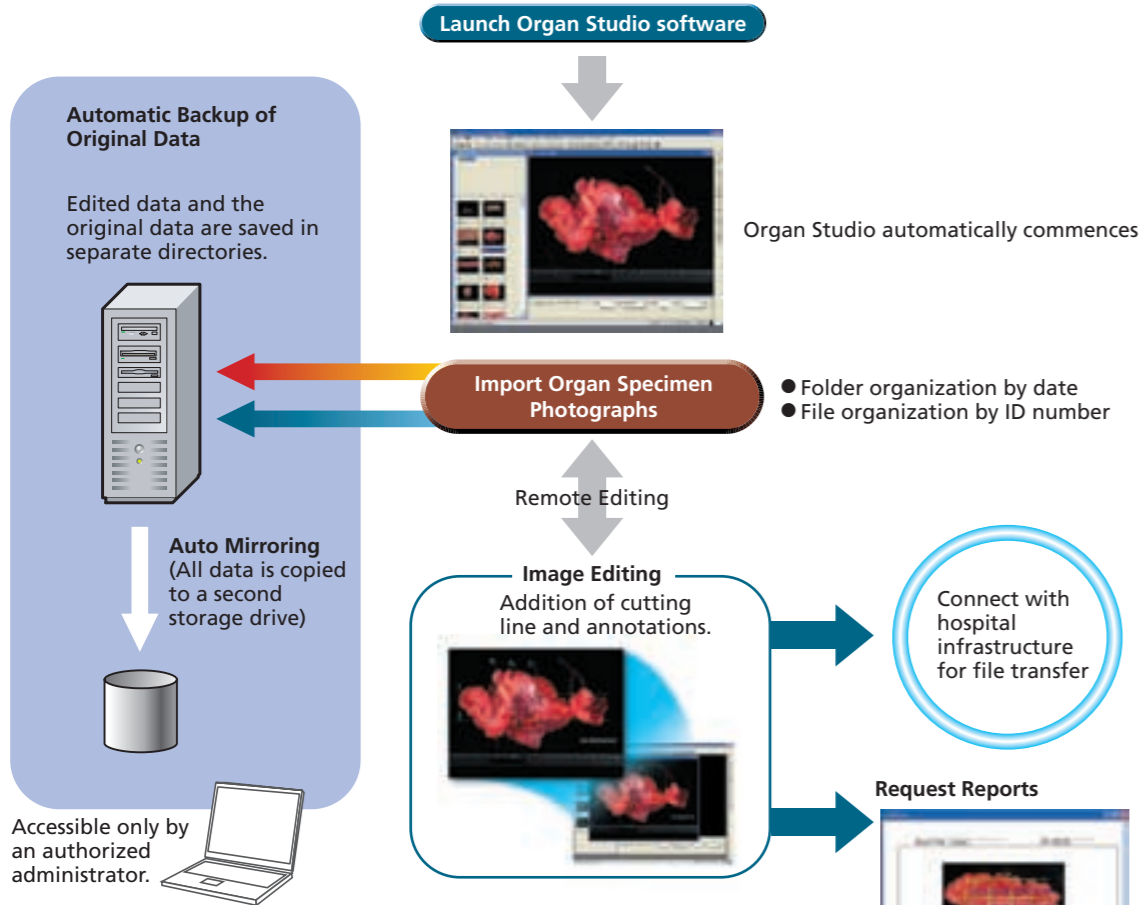


Pixera OrganStudio™

Macro Imaging System for Pathology

- Daily Image Folder • Remote Access • Data Archiving • Backup Servers

Organ Studio Application Flowchart



Touch Panel Display & Stylus

Greatly simplifying input compared to a mouse, a touch-sensitive panel allows the user navigate and use the software efficiently. A stylus allows for convenient use of the software, even with gloves on.



Mirrored Disks

With the possibility of corruption of the original files due to hardware failure, a mirror disk is a key addition. Complete backups are created with synchronized mirror sequencing. In the event of a hardware failure, switching to the mirror disk can be done in a matter of minutes, minimizing down time.



Hands Free Operation

Keeping the usage environment in mind, a water proof keyboard and wireless mouse are bundled. In order to leave both hands free, a foot release switch to control the shutter is also included.



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Authorized Reseller

Pixera Corporation, the leading company in microscopy digital cameras, is now introducing an organ capturing digital camera system. Ordinary 35mm film, with relatively high development and printing costs and a lengthy processing time, presents numerous problems concerning time and money. The Pixera Organstudio utilizes a 5.8 million pixel digital CCD camera system to cut running costs by a large factor, and images are available for viewing immediately after capture. In addition, the Pixera system allows for expanded functions not offered by mainstream digital cameras such as data organization, dual-HDD backup, the ability to map grids over organ specimen photos, and parallel archiving of original data. With seamless integration between digital CCD cameras and PC technology, Pixera brings you the ideal organ capturing digital camera system.



Digital CCD Camera Pro600ES

Pixera OrganStudio™

Manual Zoom Version
6×Manual Zoom Camera



Power Zoom Version
16×Power Zoom Camera

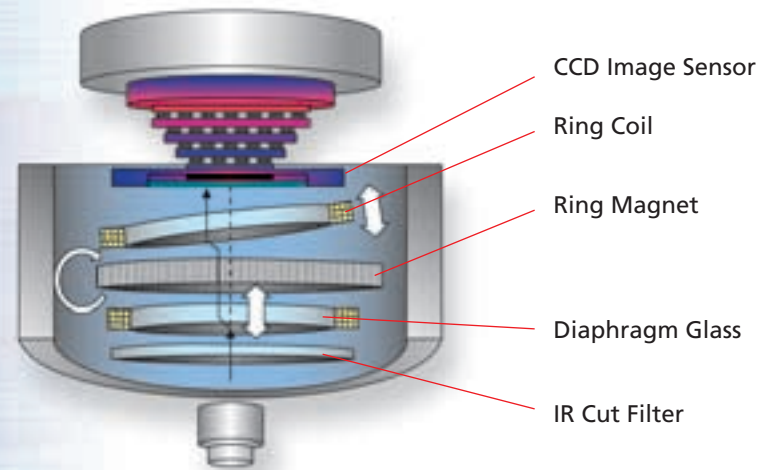


Digital Camera System for Organ Macro Imaging

Digital CCD Camera Pro600ES

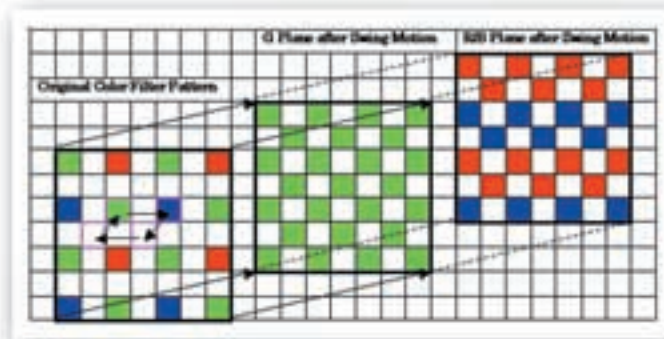
The core of digital photography, the solid-state image sensor employs a specialized scientific CCD (Charge-Coupled Devices) to make exceptional color, sensitivity, and transfer speeds become reality. Furthermore, Pixera's proprietary DiRactor technology utilizes light swing techniques to capture 4 times as many pixels for higher resolution and sensitivity. Easy capturing of high quality images is achieved through utilization of a dynamic averaging function with a high signal to noise ratio, which is comparable to broadcasting grade CCDs.

DiRactor™ Structure



Light Swing Shift Pattern

As shown in the diagram, RGB pixel arrangements are significantly enhanced after being shifted 4 times.



Developed with organ capturing in mind, the Organ Studio software can efficiently capture and archive high quality images.

Functions

Pixera OrganStudio™ Organ Macro Imaging System

- Archive data to create searchable databases
- Capture, import, and annotate images
- Keep important data organized and safe
- Fully equipped yet simple to use

Albums store images and sort them by date

Images are displayed on the side for easy viewing



A wide array of tools makes it easy to annotate images

Control panel allows precise capturing of high quality images

Images are automatically tagged with a unique ID

Data archiving by daily folders

Daily Folders

Daily folders of an album are displayed in a list

A new folder is created daily

Images in a daily folder are displayed as thumbnails

Albums keep images together and organized

Overlaying cutting lines and inserting characters and numerals is simple and easy. (Character/numeral size, as well as line types are adjustable)

Annotations

Write text and comments

Lay down lines and numbers

Apply Incrementing count markers

Measure lengths accurately

Create rectangles and circles

Measure angles

Define lengths