

PathCam Digital Imaging Systems

The PathCam Imaging System combines robust and easy-to-use software and hardware that works within the standard user experience of Windows to and delivers non-proprietary universal file formats for unlimited use in third party software. In addition to features such as automated image enhancement, seamless integration with laboratory information systems (LIS), and advanced annotation capabilities, Mopec PathCam® is designed to integrate smoothly with Epic, the leading Electronic Health Record (EHR) system. Mopec PathCam® places paramount importance on data security & patient privacy. Our system has successfully undergone rigorous security assessments to ensure robust protection against unauthorized access and data breaches. We adhere to the latest and highest standards of security regulations, including HIPAA in the United States and similar frameworks globally. This dedication to privacy and security has earned Mopec PathCam® approval from the United States Department of Veteran's Affairs.



HARDWARE OPTIONS

PathCamHR

- Best for High Resolution (HR) image capture for patient record and publishing.
 - Also records full HD video/audio, live video feed at 640 x 480 pixels
- 24 MP HD image sensor
- 10 resolution settings (6000 x 4000 pixels)
- Video recording in 1920x1080 resolution
- Max FOV: 45 x 32 in at 3 ft.
- Auto Focus, Digital Zoom/AutoCrop,
- Not VISCA compliant
- Typically integrated into the following equipment:
 - Grossing Station (HR standard on the Encore)
 - Mobile Imaging Station (AX260HD/HR)
 - Fixed Camera Arms

PathCamHD

- Ideal for High Definition (HD) video streaming surgical collaboration or in a teaching/learning environment.
- 2.1 MP HD image sensor
- Live Feed HD broadcast with AutoFocus
- 1920x1080 resolution
- Compatible with multi-monitor switching systems
- VISCA compliant
- Typically integrated into the following equipment:
 - Grossing Station (HD is optional on the Encore)
 - Mobile Imaging Station (AX260HD/HR)
 - Fixed Camera Arms
 - Surgical Lights

PathCamMICRON

- Best for Magnified High Resolution viewing of tissue/cell morphology.
- 1.3 MP CMOS image sensor
- 10-40x magnification
- 800K to 5 MB PNG image files
- Polarized glare reducer
- 1.2 – 9.2" working distance
- Typically integrated into the following equipment:
 - Grossing Station (affixed on an adjustable arm for near field viewing)
 - Mobile Imaging Station (AX260HD/HR)



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SCAN QR CODE OR VISIT [MOPEC.COM/ACTIVATE](https://mopec.com/activate)

PathCam Digital Imaging Software

Designed for professional use, this advanced software offers comprehensive tools and features, including video recording and advanced annotation capabilities. It’s tailored for users requiring enhanced functionality and greater flexibility in their imaging and documentation processes.

SOFTWARE FEATURES AND UPDATES

Features and Functions

- Standard file formats (PNG or JPEG) allow for easy IT integration and storage.
- TWAIN-supported LIS systems for direct image import
- Compatible with Dragon voice-to-text software and 3rd party videoconferencing and editing.
- Accession Barcode Entry with time/date stamping in file footer
- CAPTURE App allows a LIS to directly open and save annotated images.
- Record video/audio, Capture/Annotate snapshots, Auto White Balance, and Auto Exposure.
- Configure custom Foot Pedal and Voice Commands with optional accessories.
- Measure distance, perimeter, and area in cm, mm, or inches.
- Standard word finder dictionary: Auto-completes medical terms when typing.
- Customizable Personal Dictionary Features a dropdown menu for quick insertion of frequently used words or phrases. Includes an editable list of common anatomical labels and sectional planes, allowing for easy customization.
- File Insertion Capability (TIFF/PNG/JPG/BMP): Easily add logos, watermarks, tables, charts, or compare snapshots with diagnosed specimens for enhanced documentation and analysis.
- Advanced Annotation Tools: Utilize rectangles, ellipses, straight and freehand lines, shapes with snap-close, arrows, and leader lines. Annotations are merged, flattened, and locked when executed in PathCam CAPTURE for direct import to an LIS or selected network folder. Annotations remain editable within PathCam STUDIO if applied post-import.
- Modify annotation attributes: color, line thickness, fill, and transparency.
- Non-Proprietary Clipboard: Enables seamless copy and paste of content to and from third party software for flexible data integration.
- Background Editing Tool: Select areas to remove or replace backgrounds with customizable options that simulate cutting board textures and colors, enhancing contrast with tissue samples.
- Clean Slate Selection Feature: Use ellipse, rectangle, or freehand tools to select areas of a snapshot, remove backgrounds, add new ones, and rotate selections up to 360° for optimal orientation.
- Customizable Grid Annotation: Add grids for X & Y coordinate mapping to correlate orientation shots with patient tissue samples or use on the PathCam HD’s live feed for precision slicing guidance.

Computer Specifications

- Requirements:
 - OS: Windows 10.
 - Features: Supports full live video frame rates, video editing.
 - Accessories: Keyboard and mouse.
 - RAM: 32 GB.
 - Processor: 11th Gen Intel Core i7.
 - Storage: 1 TB Hard-disk, DDR4 or greater.
 - Graphics: Iris XE or better.
 - Ports: USB 3.2, USB-C (supports USB Hub), Ethernet.
 - Network: Wireless Network Card.
 - Peripherals: Powered 10-16 Port USB Hub (support for keyboard, mouse, touchscreen monitor, foot pedal, barcode scanner, microphone headset, PathCam MICRON)

Monitor Specifications

- Requirements:
 - Size: 21” Touchscreen.
 - Display: LED Full HD, 1920 x 1080 pixels.
 - Inputs: DisplayPort, VGA, HDMI

General Information

- Closed-Loop System: PathCam software operates within your facility’s network, ensuring no external data transmission. This system works seamlessly without internet connectivity.
- License Registration Process:
 - Custom Software Build: We enhance security by using the PathCam HR serial number (S/N) or the Host PC Processor ID (when PathCam HD is selected as an add-on) to create a custom software build. This approach eliminates the need for IP address exceptions within the medical facility’s firewall and prevents unauthorized usage.
 - Hardware ID Checker: For custom software licensing, install our Hardware ID Checker on your PC to generate a unique Processor ID. This is only required when selecting PathCam HD as an add-on camera replacement.

Upgrades and Subscriptions

SKU	Description
BB105	PATHCAM HD CAMERA FOR BB SERIES SURGICAL LIGHTS
AX043	PATHCAM, ENCORE FACTORY KIT, HR
AX043-L1	PATHCAM MAESTRO RETROFIT KIT, GEN1 (2018-2022), ELECTRICAL
AX043-L2	PATHCAM MAESTRO RETROFIT KIT, GEN 2 (2023-2024) NON-ELECTRICAL
AX043-L3	PATHCAM LEGACY STATION RETROFIT KIT (MB, ML, ME, MG)
AX045	PATHCAM MONITOR: 21" TOUCH SCREEN
AX047	PATHCAM HANDS-FREE: FOOT PEDAL COMMANDS
AX048	PATHCAM HANDS-FREE: VOICE COMMANDS
AX102	PATHCAM MICRON: MICROSCOPE (ADD-ON CAMERA)
AX133	PATHCAM MICRON: MAESTRO MOUNT

SKU	Description
AX250HD	PATHCAM, HD WALL MOUNTED SYSTEM
AX250HR	PATHCAM, HR WALL MOUNTED SYSTEM
AX260HD	PATHCAM, HD MOBILE IMAGING SYSTEM
AX260HR	PATHCAM, HR MOBILE IMAGING STATION
AX265	PATHCAM HD (LIVE STREAM/TEACH) RETROFIT CAMERA
AX266	PATHCAM HR (HIGH RES IMAGING) RETROFIT CAMERA
RD002	PATHCAM, SYSTEM EXTENDED WARRANTY
RZ011	PATHCAM SYSTEM INSTALL + COMMISSIONING
SW010	PATHCAM SOFTWARE: 1 YEAR SUBSCRIPTION
SW020	PATHCAM SOFTWARE: 2 YEAR SUBSCRIPTION
SW030	PATHCAM SOFTWARE: 3 YEAR SUBSCRIPTION