

# PAXcam™

From the Makers of PAX-it!™

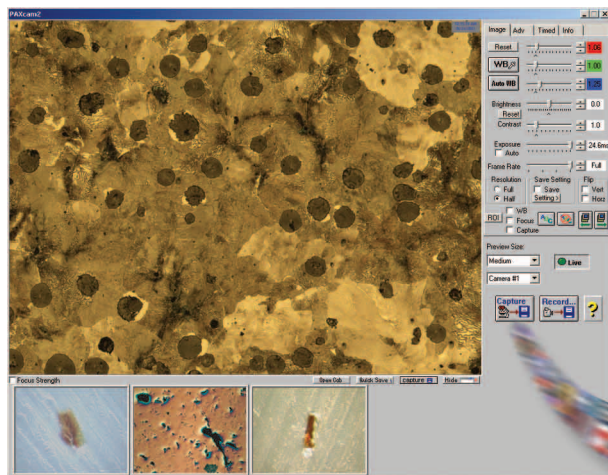
## Digital Imaging Workflow for Industrial Applications

### The PAXcam Digital USB 2.0 Camera System



- Affordable camera for microscopy, with an easy-to-use interface
- Beautiful, high-resolution images; true color rendition
- Fully integrated package with camera and software
- USB 2.0 interface for the fastest live digital color preview on the market
- Easy-to-use interface for color balance, exposure & contrast control, including focus indicator tool
- Adjustable capture resolution settings (true optical resolution -- no interpolation)
- Auto exposure, auto white balance and manual color adjustment are supported
- Create and apply templates and transparencies over the live image
- Acquire images directly into the PAX-it archive for easy workflow
- Easy one-cable connection to computer; can also be used on a laptop
- Adjustable region of interest means smaller file sizes when capturing images
- PAXcam interface can control multiple cameras from the same computer
- Stored presets may be used to save all camera settings for repeat conditions

### Capture Images Directly to PAX-it Image Database Software



Live preview up to 40 fps

#### Includes PAXcam Video Agent for motion video capture

- Time lapse image capture
- Combine still images to create movie files
- Extract individual frames of video clips as bitmap images

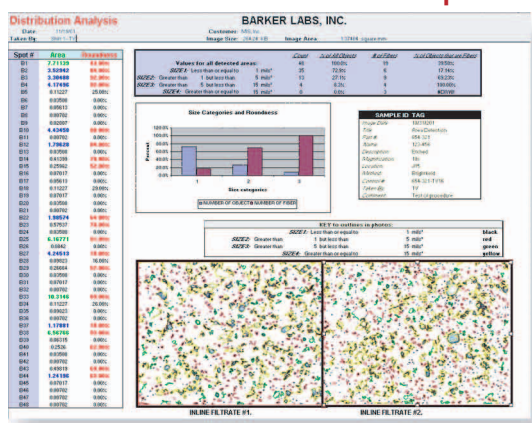


### PAX-it!

- File & retrieve images in easy-to-use cabinet/folder structure
- Store images, video clips, documents, and other standard digital file types
- Images and other files are in a searchable database that you design!
- Annotate images with circles, arrows, text; add a calibrated scale bar
- Automatically stitch overlapping adjacent images together (mosaic)
- Add written notes & dictated messages to images
- Link to MS Word™ and Excel™ for easy report generation
- Link to MS PowerPoint™ for easy construction of presentations
- Link to email service for sending images, notes, & data as attachments
- Additional modules for measurement, image analysis, network sharing, web-sharing, tutorial production, CD/DVD Archiving, Extended Security



# PAX-it!™ Shared Image Archive



Created using PAX-it's report generator feature and optional Image Analysis module

## The PAXcam system also includes:

**Email:** link to your email service to send images & data as attachments

**Vidiotext Overlays:** annotate and edit images with text, shapes, arrows and calibrated scale bar; overlays can be placed on the live preview image for alignment and comparison

**Reporting:** create powerful, customizable presentations and written reports via link to MS Office™ programs

**Image Stitching:** automatically stitch overlapping adjacent images into one mosaic image

**Image Fusion:** fuse multiple images at different focal planes into one focused image, solving problematic depth-of-field issues

**PAXcam Minimum System Requirements:**  
P2 - 400Mhz, Win 98 Second Edition, Win ME, Win 2000, Win XP. Must have PCI slot or USB 2.0 port available. For best performance, a 0.5x c-mount coupler is recommended.



## PAXcam seamlessly integrates with PAX-it's optional modules:

**Networking:** share images, reports, presentations and more with a PAX-it site license

**Web:** PAXnet web-based asset sharing over intranet or internet; no additional software required at remote sites

**Basic Measurement:** manual point-to-point, fixed area, parallel line, ellipse arc, and angle measurements. Easy to calibrate.

**Image Analysis:** user-defined area fractioning, porosity, nodularity, grainsizing, plating thickness, flake size classification, ferrite/pearlite, color and grayscale thresholding

**CD/DVD Creator:** back up, burn partial or entire PAX-it collection to CD or DVD, store images off-line while leaving database information and thumbnails on-line.

**Extended Security:** increased user/group permission controls, electronic image signature and validation, and logging of audit trails in a network environment