



# PATHSTATION™

## In-Hood Gross Specimen Imaging System



*As shown with Thermo Shandon™*



**SPOT™ Imaging Solutions**  
A division of Diagnostic Instruments, Inc.

**Your Pathology Imaging Specialist**

# Designed for Pathology

The PathStation™ has been designed specifically to meet needs of the Pathology Lab for in-hood documentation of gross dissections. The PathStation is a complete turnkey system that includes all the mounting accessories, imaging equipment, computer controller and software to provide a smooth, task oriented workflow. Now documentation of the gross dissection is so easy and routine, every case can be documented from receipt of containers, through documentation of samples "As Received" to full annotation and auto saving to your OS File server or LIMS system.

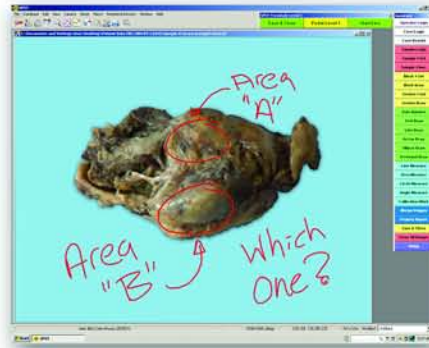
## Smooth workflow to ensure your efficacy and efficiency...

### Preview



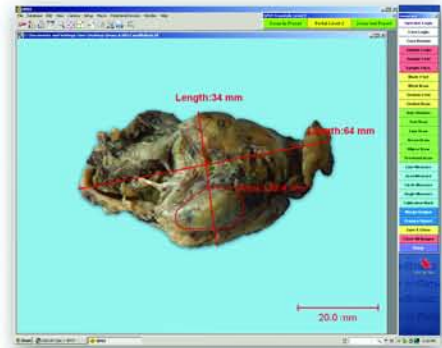
Hands-free zooming, focusing and capture of images using voice command, Foot Switch, or if preferred, touch screen.

### Consult



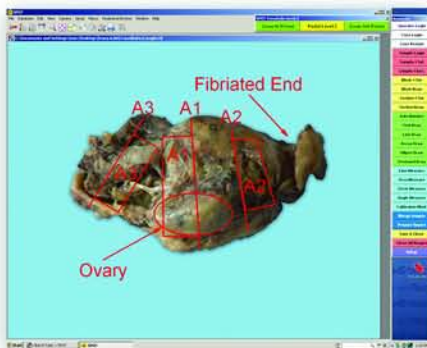
High speed internet connections let you discuss cases across the hospital or across the world. With PathSuite, your colleagues are only a click away.

### Measure



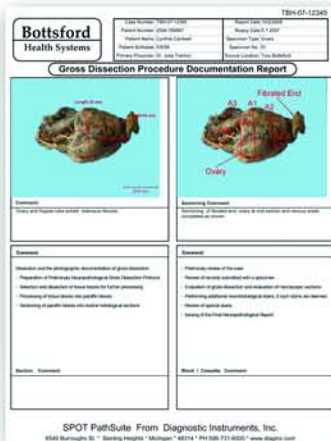
PathSuite's pre-calibrated images allow for instant, on-screen measurement of specimen features.

### Annotate



Annotate with section lines, block location, features of interest, cell or lesion counting, or simply write free-hand on your images.

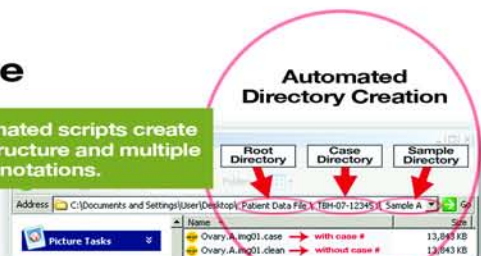
### Report



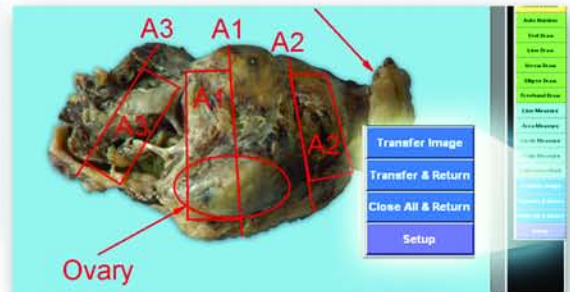
Providing a professional report to your referral doctors communicates your labs dedication to detail.

### Save

Automated scripts create the structure and multiple file annotations.



### LIS Transfer



Whether your image data archive is a file server or a Laboratory Information System, PathSuite provides you connectivity and automations to save time and ensure properly filed images.

...In a few easy steps you can present a professional image of yourself and your lab.

PathStation™ makes it easy...



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## PathStation Features Make a Difference

### 1) High Resolution Digital Camera

- Standard 5Mp, resolution exceeds the needs of publication submission specifications
- Not a consumer adaptation but a fully computer integrated and controlled camera that provides previews, adjustments and instant captures optimizing your workflow
- SPOT CCT- Correct Color Technology ensures the color fidelity of your images based on the ICC international Standard

### 2) 16x Computer Controlled Lens

- Easily set the field of view for your specimen from 46 cm x 34 cm (18" x 13.5") to 3.0 cm x 2.3 cm (1.2" x 0.9")\*
- Focus is controlled by the operator and maintained throughout the zoom range
- Pre-calibrated zoom presets provide a seamless transition to measurement operations

### 3) Spot Light High Intensity LED Illumination

- Built in high intensity spot light provides convenient illumination of sample cavities
- Balanced 5200K color temperature for excellent color rendition

### 4) PathStation Mounting System

- Designed especially for your Gross Dissection work station
- Ridged stainless steel and anodized aluminum construction ensure solid mounting and long life

\*Fields of views may vary depending on your model of Grossing Hood

- Configurable for left or right side installation per site preference

### 5) Overhead Lighting Update Kit

- Provides 5000K color balanced illumination
- Provides high frequency ballasts to eliminate image flicker

### 6) Sealed Construction

- Camera and lens are housed for protection from splash and theft
- All-In-One computer and display are sealed for easy cleaning

### 7) Contrast Background Boards (optional)

- Ensure your specimens stand out using the contrast color background boards
- Colors available: medium blue, dark blue, black, and white.
- Made from non-staining materials to ensure easy cleaning and long life

### 8) Ergonomic Arms

- Ergonomically mounted display and keyboard provides a comfortable environment for nearly any operator
- Easily adjustable for different height preferences.

### 9) Keyboard and Mouse Options

- Virtual on-screen keyboard (standard)
- Standard unsealed keyboard and mouse (optional)
- Sealed and autoclavable keyboard and mouse (optional)

- Wireless options also available

### 10) Foot Pedal Control (optional)

- Control of Preview, Zoom, Focus, Capture and Save/Transfer
- Provides hands free imaging

### 11) Barcode Reader (optional)

- Supports most 1D and 2D Barcode formats
- Provides case-image validation
- Speeds Patient Data entry while increasing data entry accuracy
- Reduces operator fatigue

### 12) Spyder Color Calibrator (optional)

- Ensures image color fidelity based on ICC international color standards
- Provides periodic recalibration of monitor

### 13) All-In-One Controller/Monitor

- Compact design frees up your work space
- Large 17" screen provides easy viewing
- Draw naturally right on the touch screen for measurements and annotations.
- Sealed and washable industrial design

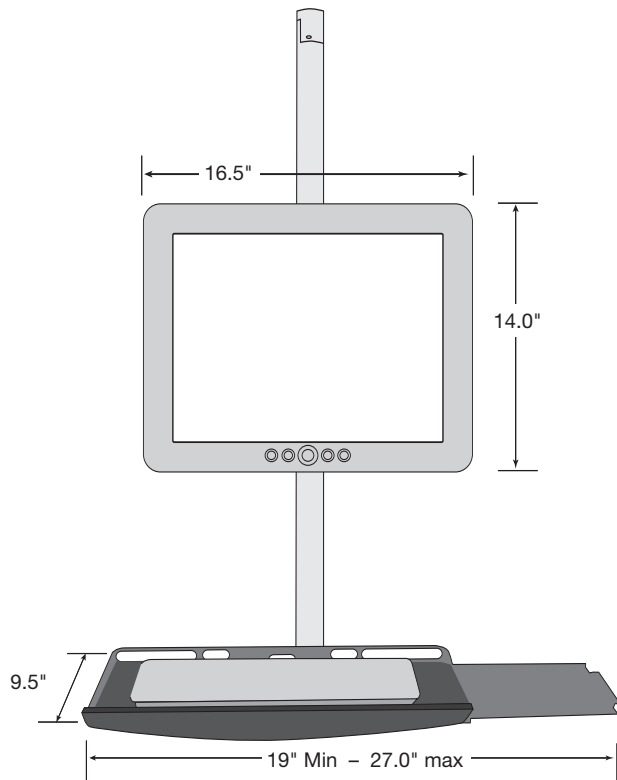
### 14) SPOT PathSuite Software Interface

- Interface optimized for Pathology work
- Auto filing image save feature builds and maintains case image directory

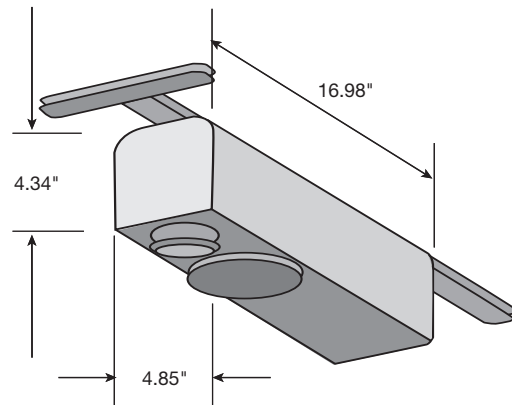
### 15) Extended LIMS Interface (optional)

- For Direct Transfer of images to your LIMS

# SPOT™ PathStation™ SPECIFICATIONS



**PathStation Monitor/Keyboard Front View**



**PathStation Camera Enclosure Side View**

**Camera:** SPOT Idea 5 Mp Bayer color mosaic  
w/ 14 bit ADC

**Lens:** Computer controlled 10-160mm F.L. Zoom, f 1.9-16

**Computer:** Sealed 17" All-In-One Computer-Monitor System  
w/ touch screen  
Intel® Core 2 Duo G955 2.20GHz with low noise  
fan w/ 2 GB RAM & 80 GB HD with 10/100/1000  
Gbit LAN

**Operating system:** Microsoft Windows XP Professional

**Software:** SPOT Advanced Plus Imaging Software  
with PathSuite Interface

**Spot light:** 12W LED with 5200K color temperature

**Overhead Light Upgrade System:**  
Ballast update to provide  
30KHz frequency excitation  
4 lamps 5000K color temperature with high CRI and 10,800  
lumen total output

**Foot Switch:** 3 button computer linked

**Barcode reader:** 1D & 2D capable, programmable for particular  
site file format

**Spyder Calibrator:** ICC color profiling system for monitor calibration

**Certifications:** FCC Part 15 Class A device  
CE: EN61010-1 Product Safety  
CE: EN61326:2005 Emissions and Immunity testing



## SPOT™ Imaging Solutions

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