PENTAX Medical FEES® Solutions
Focused on addressing the needs of Dysphagia specialists
Comprehensive FEES® solutions from PENTAX Medical

Offering innovative, full-featured solutions for voice and dysphagia specialists practicing in a variety of clinical environments.

Digital FEES

Instantaneous Review and Improved Workflow

The PENTAX Medical Digital FEES System is ideal for use in a hospital environment, speech clinic, or office setting. It’s a complete system with video and audio captured concurrently and recorded directly to computer storage, for instant exam retrieval and playback.

Playback features include quick and easy access to any exam segment, frame-by-frame jogging, real-time and slow-motion playback rates, and side-by-side review of two different exams for comparison of patient performance over time. Still images can be captured and stored with each exam, and patient data and exam findings can be entered and stored in the built-in patient database or transferred to a PACS system via the available DICOM option.

<table>
<thead>
<tr>
<th>Component</th>
<th>Key Features</th>
<th>Key Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera</td>
<td>CMOS sensor technology Provides SD and HD output</td>
<td>640 x 480 or 1920 x 1080 output</td>
</tr>
<tr>
<td>Light Source</td>
<td>Excellent illumination compatible with rigid and flexible scopes</td>
<td>150 watt halogen lamp</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Compact size</td>
</tr>
<tr>
<td>Recording Module</td>
<td>Built in exam database Removable hard drives for exam archiving</td>
<td>3 terabytes of storage</td>
</tr>
<tr>
<td>Processor</td>
<td>Compatible with K series videoscopes</td>
<td>100-watt xenon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High resolution output</td>
</tr>
</tbody>
</table>

Fiberoptic Endoscopic Evaluation of Swallowing (FEES®) is a registered trademark of Susan Langmore, Ph.D.
Portable FEES

Total Mobility and Full Functionality

The PENTAX Medical Portable FEES System is a complete and full-featured system for digital recording, storage, and playback of FEES exams. Its lightweight, compact design is ideal for use in hospitals, nursing homes, or other clinical environments where portability is required and space is at a premium.

Equipped with a high-performance laptop and custom software, all data can be exported to the Digital FEES System for inter-facility assessments. All components are conveniently housed in a protective case that is easily transportable for convenient and quick set-up at a patient’s bedside.

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<tr>
<td>Camera</td>
<td>CMOS sensor technology</td>
<td>640 x 480 output</td>
</tr>
<tr>
<td></td>
<td>Compact size</td>
<td></td>
</tr>
<tr>
<td>Light Source</td>
<td>Excellent illumination</td>
<td>50 watt LED</td>
</tr>
<tr>
<td></td>
<td>Long life</td>
<td>50,000 hours</td>
</tr>
<tr>
<td>Recording Module</td>
<td>Removable hard drives for exam archiving</td>
<td>750GB of storage</td>
</tr>
<tr>
<td></td>
<td>Built in exam database</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Built in patient database and report generator</td>
<td></td>
</tr>
<tr>
<td></td>
<td>for clinical efficiency</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Archiving of exams to external hard drives</td>
<td></td>
</tr>
<tr>
<td></td>
<td>for additional storage capacity</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Compact size and weight: 18 x 14 x 9 in, 20lbs</td>
<td></td>
</tr>
</tbody>
</table>
PENTAX Medical FEES® Solutions

Recognizing the diverse needs of our customers, various options are available to satisfy your budget and requirements.

<table>
<thead>
<tr>
<th>Feature/Function</th>
<th>Portable FEES</th>
<th>Digital FEES with Fiberscopes</th>
<th>Digital FEES with Fiberscope</th>
<th>Digital FEES with DICOM</th>
<th>Digital FEES with endoServer™ and endoPortal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manage exams with built in database</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>View exam with features such as side-by-side, frame-by-frame, etc.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>View exams in high resolution</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Download work list from HIS</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓ *</td>
</tr>
<tr>
<td>Upload exams to PACS system</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓ *</td>
</tr>
<tr>
<td>View exams remotely via web interface</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>View exams across all workstations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Portable for offsite exams</td>
<td>✓</td>
<td></td>
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<td></td>
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</tbody>
</table>

* When using videoendoscopes
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