

# PENTAX Medical High Definition Stroboscopy Solution

**PENTAX**  
MEDICAL



*Image Quality, Clinically Relevant  
Advancements, and Workflow Efficiency*

# Focused on addressing the needs of ENT and Voice Professionals

The PENTAX Medical high definition stroboscopy solution is engineered with advanced features, which can help improve detection of subtle pathology.

## Sharp and Vibrant HD Images

A resolution of 1920 x 1080 provides high-definition video recording of stroboscopic exams for sharp, clear viewing of structure and detail.\*

- **Six times** the image detail of standard-definition video may assist in detection of subtle pathology
- Choose between rigid or flexible endoscopes to support various exam protocols
- Examination video is recorded and saved in a universal MPEG-4 file format

## Unparalleled Stroboscopic Performance

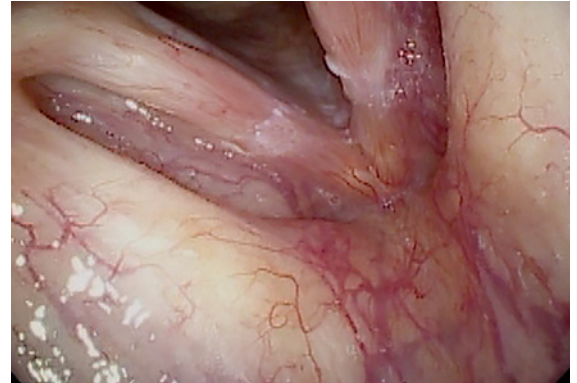
For laryngologists, the PENTAX Medical Laryngeal Strobe provides bright and clear stroboscopic video exams to support reliable analysis of vocal fold structure and motion.

- Features the PENTAX Medical anti-blinking technology, resulting in razor-sharp and in-focus images of the vibrating vocal folds
- Brilliant and evenly-distributed illumination throughout the patient's pitch and intensity range
- Accurate pitch tracking with semi-instant lock-on, and automatic light control contribute to quicker examinations

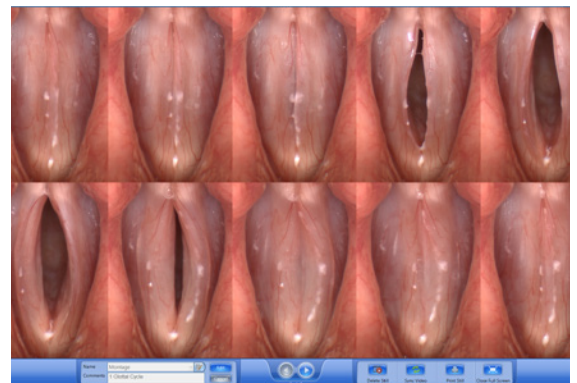
## Clinically Relevant Advancements

Designed with features you need for optimal exam viewing, specifically engineered for ENT and Voice specialists:

- Slow-motion and frame-by-frame playback provides additional insight into vocal fold movement
- Flexible zoom function allows panning and zooming of paused exam frames as well as video playback from a zoomed in position
- Simple one-step montage of a glottal cycle facilitates assessment of parameters, such as closure, symmetry, and amplitude
- Side-by-side display of two exams enables pre- and post-intervention image comparison



High-definition stroboscopic image



Stroboscopy system image montage function

## PENTAX Medical Stroboscopy technology makes the difference

The Laryngeal Strobe, Model 9400, provides excellent pitch tracking of fundamental frequency over a wide dynamic range. It quickly locks to the voice and accurately tracks changing fundamental frequency from the loudest to softest voice, from 60 Hz to 1000 Hz.

The PENTAX Medical anti-blinking technology regulates the timing of stroboscopic flashes to provide consistent brightness throughout the patient's entire pitch and amplitude range. As opposed to long light pulses that result in blurry images, our fast light pulses produce razor sharp images with a clear view of the vocal fold leading edge both in video and still images.

\* High definition images are available through the 9214HD camera.

# A Complete Solution Designed for Clinical Efficiency

PENTAX Medical offers a comprehensive stroboscopy solution that addresses physicians' exam video capture, data management and workflow needs.

PENTAX Medical solutions are designed to maximize clinical efficiency, security, and compliance for ENT and Voice centers of all sizes.

- Patient database can be stored locally or shared with the use of endoServer for simple, secure exam retrieval
- Standard or customer reports with still images and key exam findings can be stored locally or uploaded to the hospital EHR with the endoPortal HL7 software module
- The complexities and cost of multiple vendor solutions is eliminated with components designed to work together

PENTAX Medical can provide a fully integrated, optimized solution designed specifically to meet the needs and expectations of your ENT and Voice clinic.

From versatile and cost-effective recording and viewing options to flexible connecting and sharing, PENTAX Medical can be your single-source provider for your stroboscopy needs.



## Fast and Dependable Service and Support

As a trusted partner of otolaryngologists, speech-language pathologists, and head and neck specialists, PENTAX Medical offers comprehensive service and support plans specifically designed to meet your needs.

Today's ENT and Voice clinics must not only meet the clinical needs and demands of patients, but also operate as cost-efficiently as possible. PENTAX Medical's highly responsive customer support can assist your clinic in meeting these challenges through our focus on three key objectives:

- Provide a timely response to your equipment related requests
- Offer quick resolutions to issues to minimize procedure downtime
- Maximize the return on your equipment and service plan investment

In addition to a commitment to our three key service and support objectives, PENTAX Medical has made a significant operational investment to redefine the delivery of ENT and Voice equipment service.

- Internal process and infrastructure improvements to streamline and improve our service delivery
- Employing highly-trained Field Service Engineers strategically located in or near major metropolitan areas
- Contracting with 185 specialized Technical Field Support personnel deployable in less than 8 hours or the next business day



Our team is dedicated to providing you with fast, consistent, and dependable service. Ask your local sales representative about service plans for your new or existing PENTAX Medical stroboscopy equipment.

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