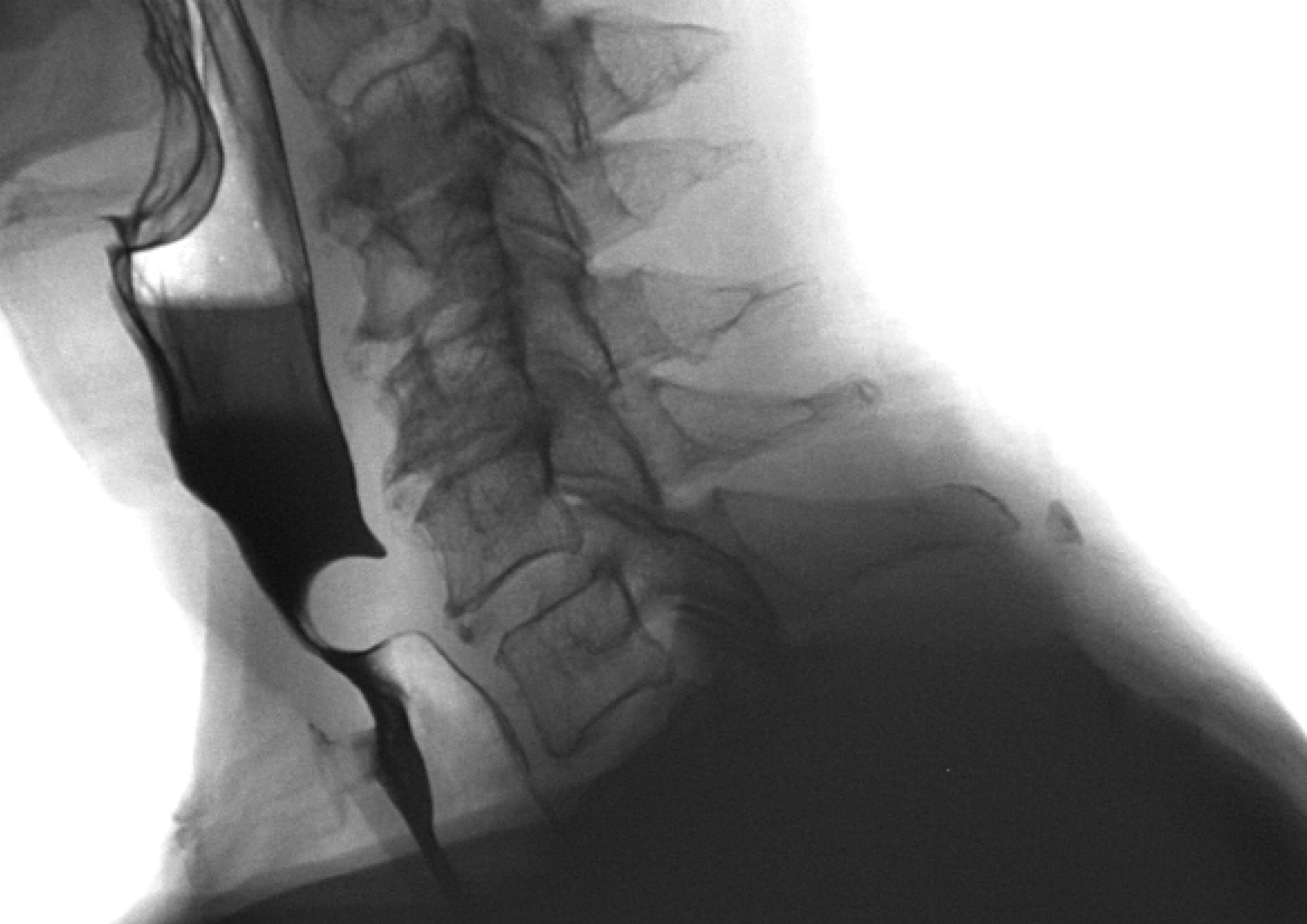


PharyDoc

Medical image management for ENT





Bildteknik – the medical image engineering company

We integrate medical audio, video, monitoring, and imaging from any equipment or modality, including X-ray, endoscopy, and ultrasound, in order to simplify high-quality image management for hospitals.

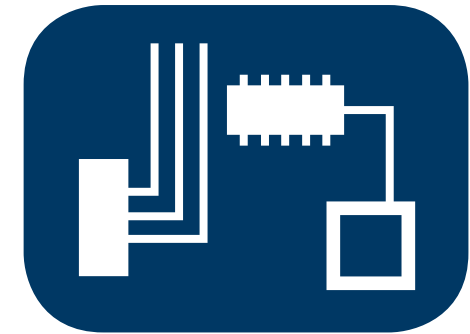
With solutions that work with any make, brand, or model of medical imaging equipment, we offer truly vendor-neutral integration in high definition. Our systems are seamlessly connected with other hospital IT systems such as picture archiving and communication system (PACS), electronic health record (EHR), radiology and hospital information system (RIS and HIS).

Serving many branches of the hospital – including operating rooms, catheter labs, and radiology departments – our systems add comprehensive functionality to capture, display, record, archive, store and review medical images. We enable medical professionals to distribute images and to interact with colleagues, collaborators, students and other audiences anywhere.

Our ready-to-use systems can serve as a platform to create complex custom-made installations. We deliver the complete solution, including our proprietary software together with all the necessary hardware, and we provide service and support over time for maximum reliability.

Bildteknik is head quartered in Lund, Sweden. The company is ISO 13485 certified with TÜV Süd as the notified body, and our products are classified as medical devices.

Made in Sweden since 2009.



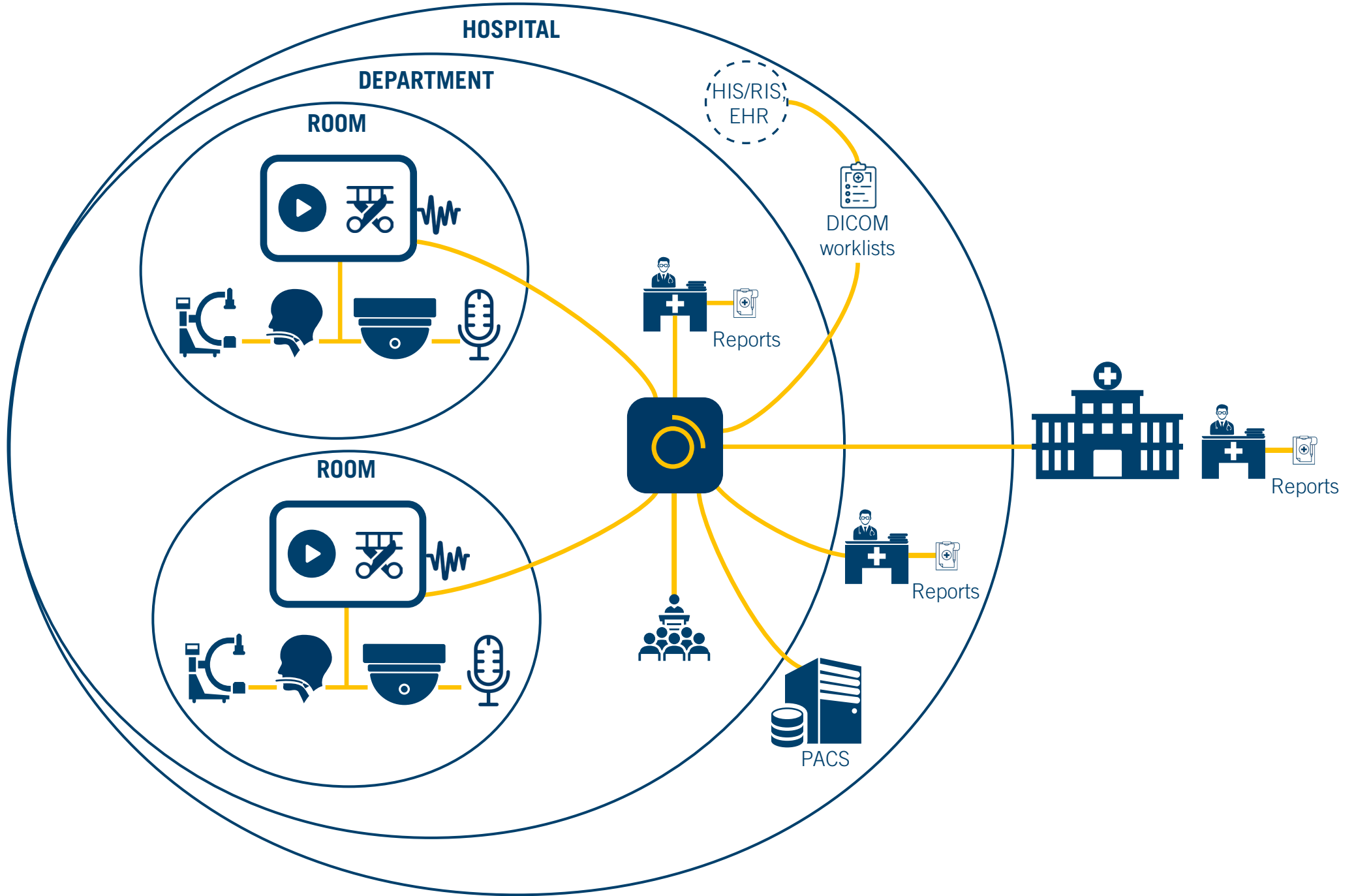
HARDWARE



SOFTWARE



INSTALLATION & SERVICE



PharyDoc - medical image management for ENT

Synchronized documentation

PharyDoc integrates imaging such as fluoroscopy or endoscopy, together with patient video and audio, commonly used during dysphagia, speech and cleft palate examinations. The system is scalable and can include one or several examination rooms.

With PharyDoc, examinations can be recorded, edited, reviewed and securely stored with imaging, video and audio fully synchronized.

Simple editing

Edit a recording to save or share a sequence of interest. Export recorded material for use in presentations and lecturing.

Flexible archiving

Recorded material or edited sequences can be stored in a local storage in the examination room, in a common storage in the department or in the hospital PACS to suit your needs.

Easy access

With a common storage in place, access to recorded material is easy. Images and audio can be reviewed inside or outside the hospital or shared to an auditorium. PharyDoc also lets you export images or video files to a portable storage device.

Pharydoc is a CE registered medical device manufactured under ISO 13485. Running installations are present in several countries including Sweden and United Arab Emirates.



FLUOROSCOPY



ENDOSCOPY



VIDEO



AUDIO

Vendor-neutral integration of medical imaging, video and audio

PharyDoc integrates medical imaging, video and audio commonly used during dysphagia, speech and cleft palate examinations.

Bildtechnik offers truly vendor-neutral integration, integrating any make or model from any supplier. For example, we have integrated devices from:

Canon Medical Systems
GE Healthcare
Intuitive (daVinci Surgery)
Karl Storz

Medtronic
Olympus
Pentax Medical
Philips Healthcare

Richard Wolf
Siemens Healthineers
Sony
Stryker

Toshiba
Zeiss



PACS



HIS/RIS



EHR

Connected to hospital IT systems

PharyDoc integrates seamlessly with the hospital PACS, HIS/RIS and EHR systems. This means that PharyDoc can retrieve and use DICOM worklists and export to PACS. PharyDoc integrates with the majority of PACS systems, such as:

AGFA enterprise imaging 8.0 PACS system

FujiFilm Synapse PACS system

Sectra enterprise imaging PACS system



Capture and record

Using PharyDoc, you can record and save synchronized fluoroscopy or endoscopy images, patient video and audio.

PharyDoc features lossless audio recording without compression. The system simultaneously captures images from the X-ray machine or endoscope, the video camera as well as audio from two microphone inputs (patient and operator audio).

Recording can be configured to start automatically, for example when the fluoroscopy pedal is pressed.

As PharyDoc can be connected to the hospital HIS, RIS or EHR system, it offers the full convenience of DICOM worklist functionality, but also allows registration of unscheduled patients. Patient information validation, such as social security number validation, is possible and customizable to suit local needs.

Replay and review

All elements captured during the examination remain synchronized during playback. Replay everything together or select to review a single element, in normal speed or frame by frame in slow motion.

PharyDoc also lets you export images or video files to a portable storage device for educational use.

Examinations captured at the workstation are easily accessed and reviewed from other hospital computers with separately installed software clients, such as at the doctor's office, from an auditorium or at a remote location.



Archive and store

All recorded material is saved on a scalable storage, either directly in the examination room or in the hospital department. Recorded material or edited sequences can optionally be sent to the hospital PACS. PharyDoc links all recorded examinations to the unique patient identification number, ensuring an optimal work flow.

Edit and share

At any PharyDoc workstation, examinations can be accessed and edited. Select sequences of interest to extract from the recorded material, to be saved in PACS or exported as video or image files for easy sharing.



Contact details

Sweden (head office)

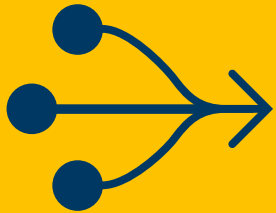
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Features and benefits

- Synchronized documentation of examinations
- Lossless audio recording
- Simple editing and sharing
- Flexible archiving to meet your needs
- Easy access - makes remote reviewing possible

Technical details in brief



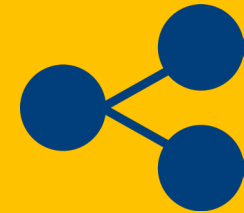
- Any type of modality providing standard video interfaces
- Connections: DVI, HDSDI, 3G-SDI, VGA, composite
- Any I/O, for example scope buttons, foot switches etc.
- DICOM worklist



- 2 image sources, synchronized, separated and combined, lossless recording without compression
- Video resolution: any format up to 1920x1080 at 30 frames per second
- Simultaneous audio recording, 2 channels
- Adjust brightness and contrast, zoom and invert
- Adjustable playback speed



- Local and central examination storage
- Remaining storage capacity/recording time indicator
- Local storage – up to 256 terabyte
- Enterprise storage – hosted by hospital
- Export to PACS



- Edit sequences
- Export videos and audio
- Export still images

Service and support - example

	Level 1	Level 2
One preventative maintenance visit per year	✓	✓
Unlimited phone support within working hours	✓	✓
Service ticket response within one working day (telephone or remote access)	✓	✓
Remote access engineer within two working days (where remote access has been made available)	✓	✓
Delivery of spare parts kept in stock within 24 hours		✓
On site engineer within 3-10 working days (if required and depending on location)		✓
Parts and labor included		✓
Free software upgrades for duration of contract	✓	✓



Bildtechnik is the medical image engineering company. We offer vendor-neutral integration of medical audio, video and imaging. Our solutions range from ready-to-use systems to custom-made installations. We deliver the complete solution with comprehensive functionality. Our customers are in the operating room, the catheter lab or the radiology department. We are ISO 13485 certified by TÜV Süd. Our products are CE registered and classified as medical devices. Made in Sweden since 2009.