

LUMINOS Q.namix R

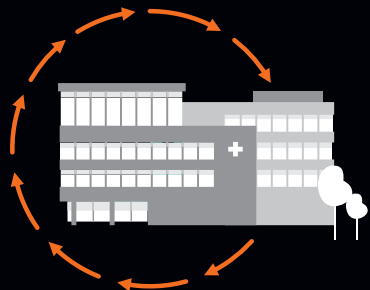
Dynamic simplicity.

siemens-healthineers.com/luminos-qnamix-r



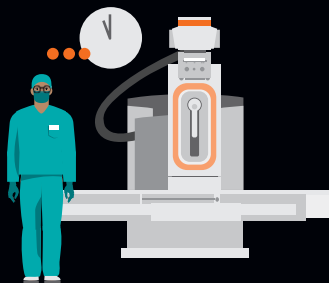
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The status quo in fluoroscopy



Increasing change

System usage is changing, and you need to choose the system design that best meets your clinical and operational needs.



Underutilization

Fluoroscopy is being used less than in the past – so efficient utilization is a key aspect when you're making your next system purchase.¹



Fragmented workflows

Complex and fragmented workflows often might have a negative impact on staff productivity.

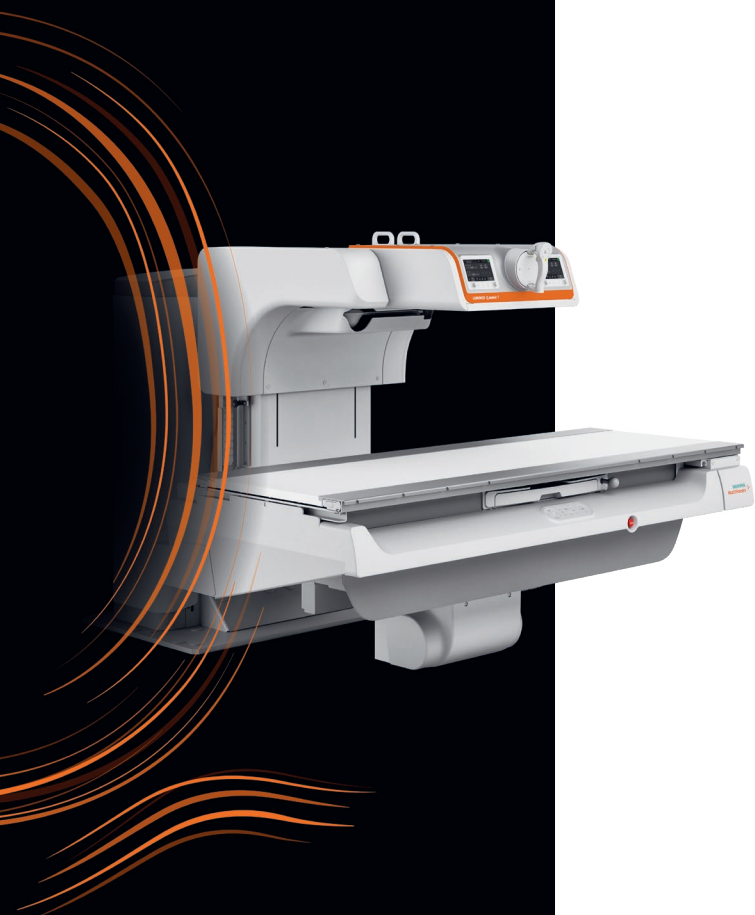
A new era in fluoroscopy

LUMINOS Q.namix is a truly multifunctional imaging platform for fluoroscopy, radiography, and beyond. Maximum utilization and peak performance await you.



Embrace flexibility

Patients have a broad range of imaging needs – and you have to accommodate them all. LUMINOS Q.namix R allows you to easily and efficiently do just that.



Expand your clinical capabilities

Thanks to a next-generation imaging system with both fluoroscopic and radiographic capabilities – so you can use the system for a broad range of exams.



Broad range of clinical applications

In addition to fluoroscopy procedures, a broad range of clinical capabilities is essential for covering multiple clinical applications with fluoroscopy systems:

- Fluoroscopy
- Radiography
- Orthopedic imaging²
- Basic angiography
- Speech pathology²

Flexible SID ranges

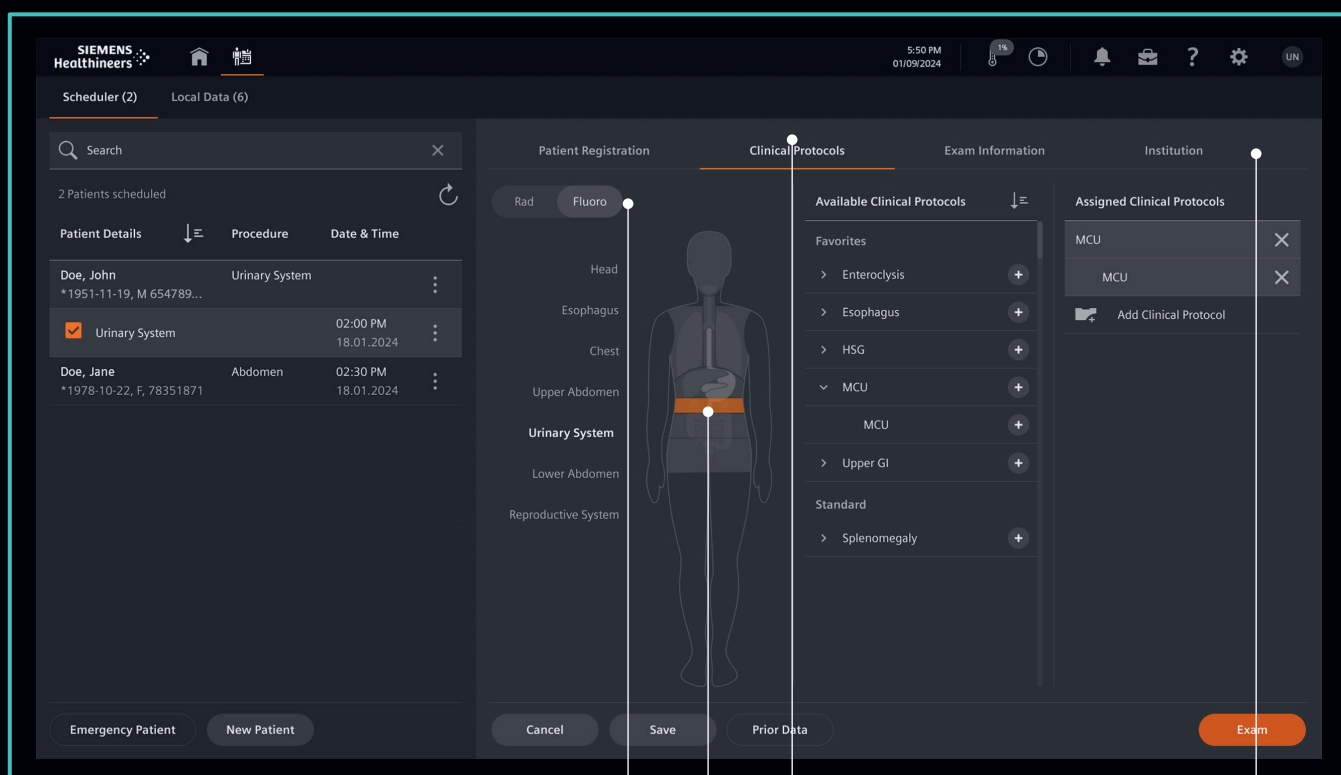
Maximum operational flexibility and clinical versatility for chest imaging and orthopedic exams, thanks to an SID of up to 180 cm/71"

Next-generation imaging system

Enjoy easy system interaction with intuitive controls, clear allocation, and all your tasks in one place. Our next-generation imaging system seamlessly integrates into your institution's network infrastructure and is compliant with all standard DICOM functionalities.

Intelligent workflow concept

- Barcode reader license² for convenient in-room patient identification
- Positioning Guide² to support the most complex and atypical patient positioning
- Patient size adapter and age brackets for a consistent image impression with minimized dose



Intuitive touch user interface (TUI) with visually guided logic for smooth operations

Predefined clinical protocols (CP) for optimal dose control

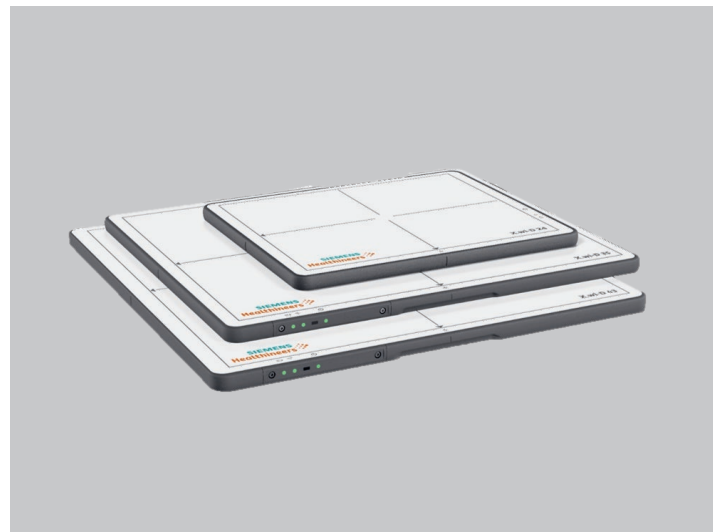
Body model for quick selection of suitable CPs

Easy switching between exam types

Modification of institutional data, for instance accessing operator and patient specific information

Transform the imaging experience

With state-of-the-art system components like large high-resolution monitors, a height-adjustable table with $\pm 90^\circ$ tilting, and an appealing system design for a better patient experience.



UI concept with touch monitors

Intuitive user interfaces and monitor displays are the key to providing easy access to functions and supporting efficient clinical workflows.

- Large touch monitors for access to relevant functionalities in the control and examination rooms
- Built-in split view
- 32" monitor² provides a reference image alongside the live scene
- Display trolley and display ceiling suspension (DCS) options available

X.wi-D detectors²

Built without a glass panel, our new high-resolution detectors are lighter and more robust: waterproof, easy to clean³, and easy to handle – for less operator strain.

- Sharp images thanks to state-of-the-art 99 μm pixel pitch⁴
- Lightweight regardless of size⁵
- Easy to clean thanks to IP67 fluid ingress protection rating³



Full integration of radiography

Realize even more clinical flexibility in the examination beyond the main system with the YSIO X.free option, our ceiling-mounted second tube.

Bucky wall stand²

Easy switching between wireless detectors^{2,6} of various sizes. Also available with fixed detector MAX static.



Fluoroscopy table

The fluoroscopy table is at the core of patient-side operations. Its functionalities are vital for facilitating safe and efficient patient transfers, ensuring comfortable positioning, and accommodating a diverse range of patient needs.

- $\pm 90^\circ$ tilting² ensures an easy and flexible patient transfer from standing to lying position and vice versa
- Adjustable height of 48 to 98 cm / 19 to 39" for easy patient positioning and transfer
- Table load of up to 330 kg / 728 lbs⁷ accommodates obese patients

Achieve excellent imaging results while keeping the dose low

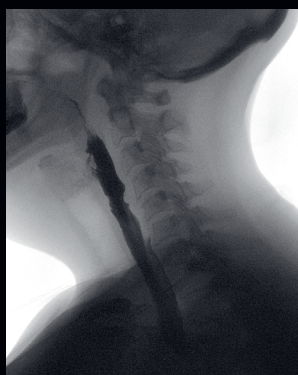
Thanks to streamlined workflows and the latest advances in imaging technology.

myExam IQ

myExam IQ is an image enhancement technology that helps you achieve unrivaled image quality in radiography and fluoroscopy.

- **Adaptable image flavors** provide full control over image impressions based on specific clinical requirement
- **Gridless imaging** for clear, high-contrast images without system calibration or other prerequisites
- **AI-based cropping** delivers automatically cropped images regardless of acquisition type

Clinical spectrum



Study ID 5aae647

Upper GI swallow study

Image acquired with LUMINOS Lotus Max
Courtesy of WNSWIHD Bathurst, Australia



Study ID 5aad269

Lower GI barium enema

Image acquired with Luminos Agile Max



Study ID 5aaf377

Ortho free exam, hand or wrist

Image acquired with YSIO X.pree, X.wi-D 43, free



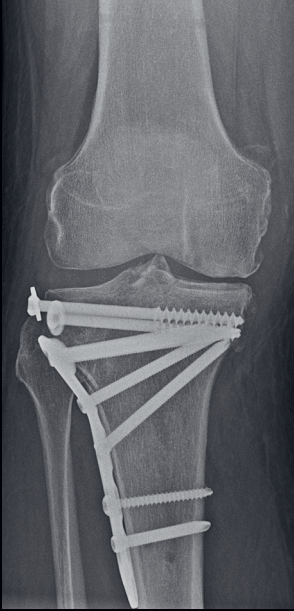
Study ID 5aaf101

Ortho LL/FS

Image acquired with YSIO X.pree, X.wi-D 43, supine

Experience harmony

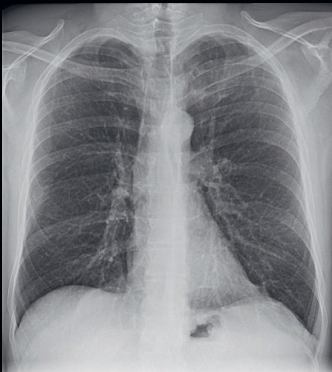
Efficient exam schedules are the goal, but fragmented workflows and device interfaces often get in the way. LUMINOS Q.namix R offers a seamlessly connected ecosystem of components that bridge all the gaps.



Study ID 5aaf225

Knee AP

Image acquired
with YSIO X.pree,
X.wi-D 43, flavor 3.3
Free examination



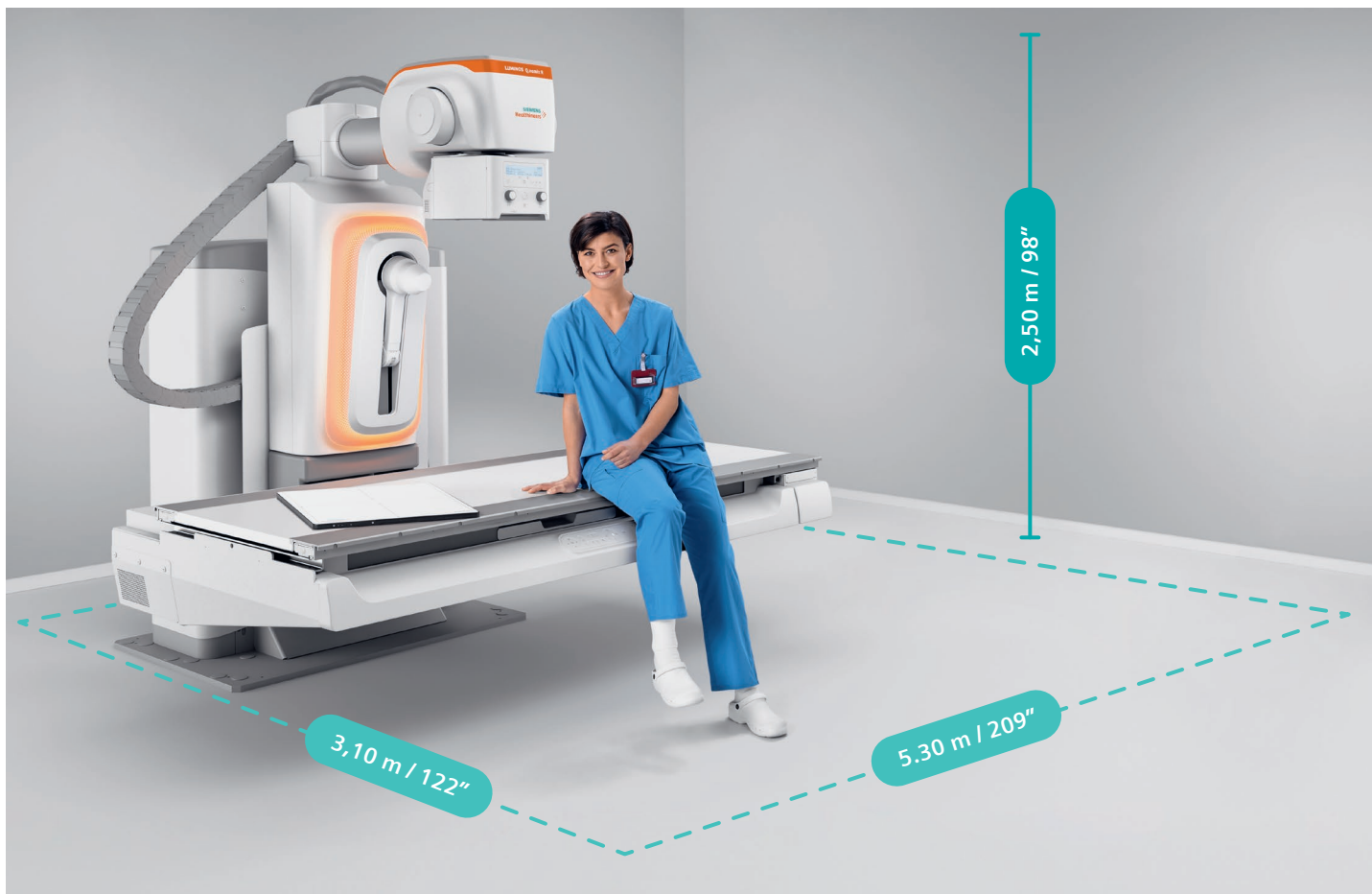
Study ID 5aaf467

Classic RAD thorax exam

Image acquired
with YSIO X.pree,
X.wi-D 43, supine

Optimize system utilization

Regardless of operator skill level, thanks to a workflow concept grounded in imaging equipment provided by a single manufacturer.



A floor plan designed for total convenience

Short walking paths and easy access to system controls from practically everywhere.

New streamlined controls

LUMINOS Q.namix R offers controls with fewer joysticks and buttons as part of the integrated and optimized workflow concept.

- 10" touch screen promotes user focus due to angulation in the user's direction
- SmartTouch prevents unintended system movements



SmartMove button
for automatic system
position presets

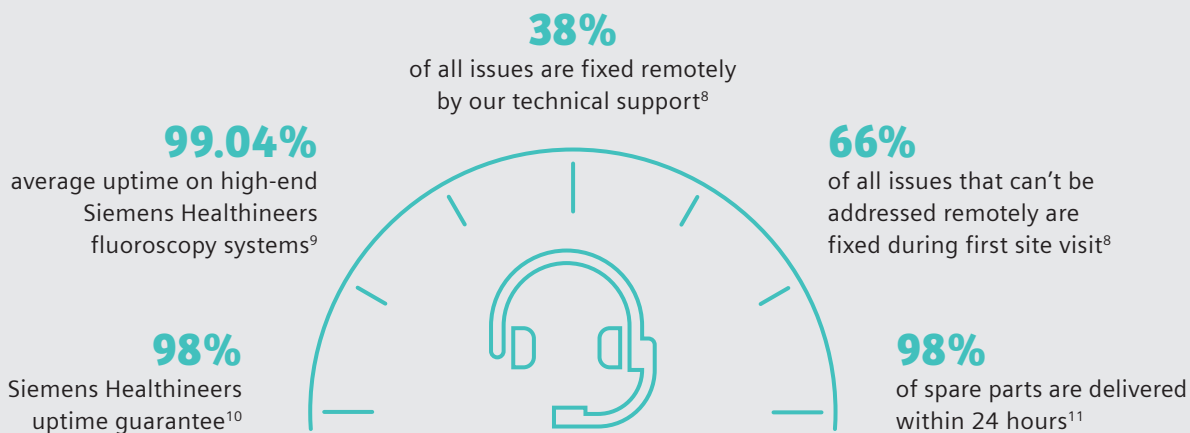
10.4" touch user
interface (TUI)

Hardware
functions
to access
frequently
used
operations

Software
functions
to access
rarely used
operations



Anytime remote support for LUMINOS Q.namix T



Simplify and standardize daily imaging tasks

With built-in workflow guidance powered by AI and myExam 3D Camera for patient positioning.



Powered by AI

myExam Companion

With its built-in knowledge, myExam Companion makes expertise accessible. The intuitive interface speaks your language to help staff at every experience level interact with the system.

Drawing on the new capabilities of digitalization, it turns data into built-in expertise. This helps users efficiently achieve reproducible results – by unlocking the full potential of your medical imaging devices.

- myExam 3D Camera²
- Virtual Collimation²
- Smart Virtual Ortho²
- Auto Thorax Collimation²
- Auto Long-Leg and Full-Spine Collimation²



Virtual Collimation²

Allows you to collimate or perform adjustments at the workstation right before X-ray exposure. This reduces walking time as well as the time that patients need to remain still.



Smart Virtual Ortho²

Enables seamless orthopedic workflows with more time for patient care. It allows you to accurately set imaging start and end points, helps you avoid unnecessary retakes, and eases the burden on orthopedic patients.



Auto Thorax Collimation^{2,12}

This powerful combination of myExam 3D Camera, Virtual Collimation, and AI uses an AI algorithm to detect the thorax and deliver accurate automated collimation assistance.



Auto Long-Leg and Full-Spine Collimation^{2,12}

Supports your team with built-in AI expertise. It combines myExam 3D Camera, AI, and Smart Virtual Ortho to automatically detect the full spine or the entire leg for standing examinations at the Bucky wall stand.

Overview

Imaging workflow

- New imaging system with intuitive workflow concept and user navigation
- Choice of touch monitors (24" or 32"²) for control room and examination room as a display ceiling suspension (DCS)² or trolley² solution

System architecture

- Compact system design
- SID range of 115 cm (45"), 150 cm (59"), and 180 cm (71")
- myExam 3D Camera² on main system unit

MoodLight²

Innovative system design that elevates the patient experience to a new level

Fluoroscopy table

- Clean, seamless design and flat tabletop
- Streamlined tableside control elements
- Travel range from 48 cm (19") to 98 cm (39")
- Bucky tray configurable with X.wi-D 35/43² or MAX wi-D²
- Table tilting -50°/+90°; -90°/+90°²
- Table load up to 330 kg (728 lbs)⁷

myExam Collimate

- Enabled by myExam 3D Camera²
- Virtual Collimation²
- Smart Virtual Ortho²
- Auto Thorax, Auto Long-Leg, and Full-Spine Collimation²,¹²

myExam IQ

- Imaging concept for producing excellent and consistent images
- Optimization of gridless images
- Enhanced CARE program to minimize dose application
- Dynamic X.fluoro detector 43x43 cm (17"x17")





Enhanced clinical spectrum

Speech pathology²

YSIO X.free option

Ceiling-mounted second tube with myExam 3D Camera² and 10.4" TUI

Bucky wall stand (BWS)²

- Travel range from 31.5 cm (12.4") to 175 cm (68.9")
- Tilting (90°/-20°) and non-tilting versions available
- Configurable with X.wi-D 35/43², MAX wi-D², or MAX static²

Remote control elements

- Remote control console (RCC) with 10.4" TUI
- Second RCC² in examination room
- Wireless footswitch²

Wireless radiography detectors

- New generation of X.wi-D detectors²
- Choice of MAX detectors²
- Sharing concept for eligible systems and imaging software



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¹ Shalom NE, Gong GX, Auster M. "Fluoroscopy: An essential diagnostic modality in the age of high-resolution cross-sectional imaging." *World J Radiol.* 2020;12(10):213-230. doi:10.4329/wjr.v12.i10.213

² Optional

³ Valid with battery removed

⁴ Down to a spatial resolution of 5.06 lp/mm.
Based on a user survey with the leading radiologist at the University Hospital in Augsburg, Germany.
Individual experiences may vary.

⁵ 24 cm x 30 cm / 10"x 12", 35 cm x 43 cm / 14"x17",
43 cm x 43 cm / 17" x 17"

⁶ Not applicable to small detectors X.wi-D 24
and MAX mini

⁷ Maximum table load calculated includes table
accessories

⁸ Data on file

⁹ Based on LUMINOS Lotus Max, Luminos dRF Max,
Luminos Agile Max; data on file

¹⁰ Requires service contract Performance Plan TOP
including Smart Remote Services

¹¹ Siemens Healthineers Logistics cockpit

¹² Only available with YSIO X.pree option and
myExam 3D Camera

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