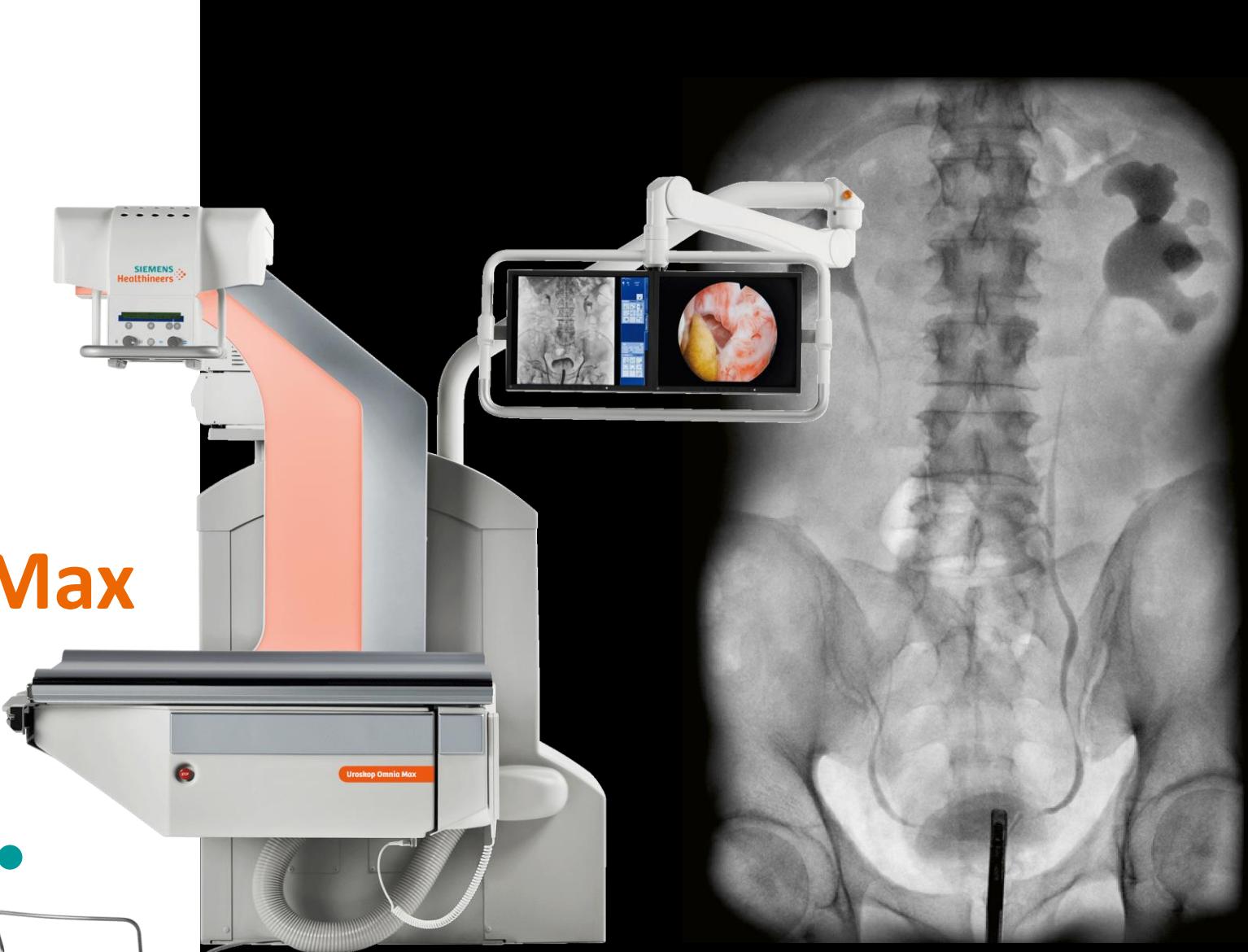




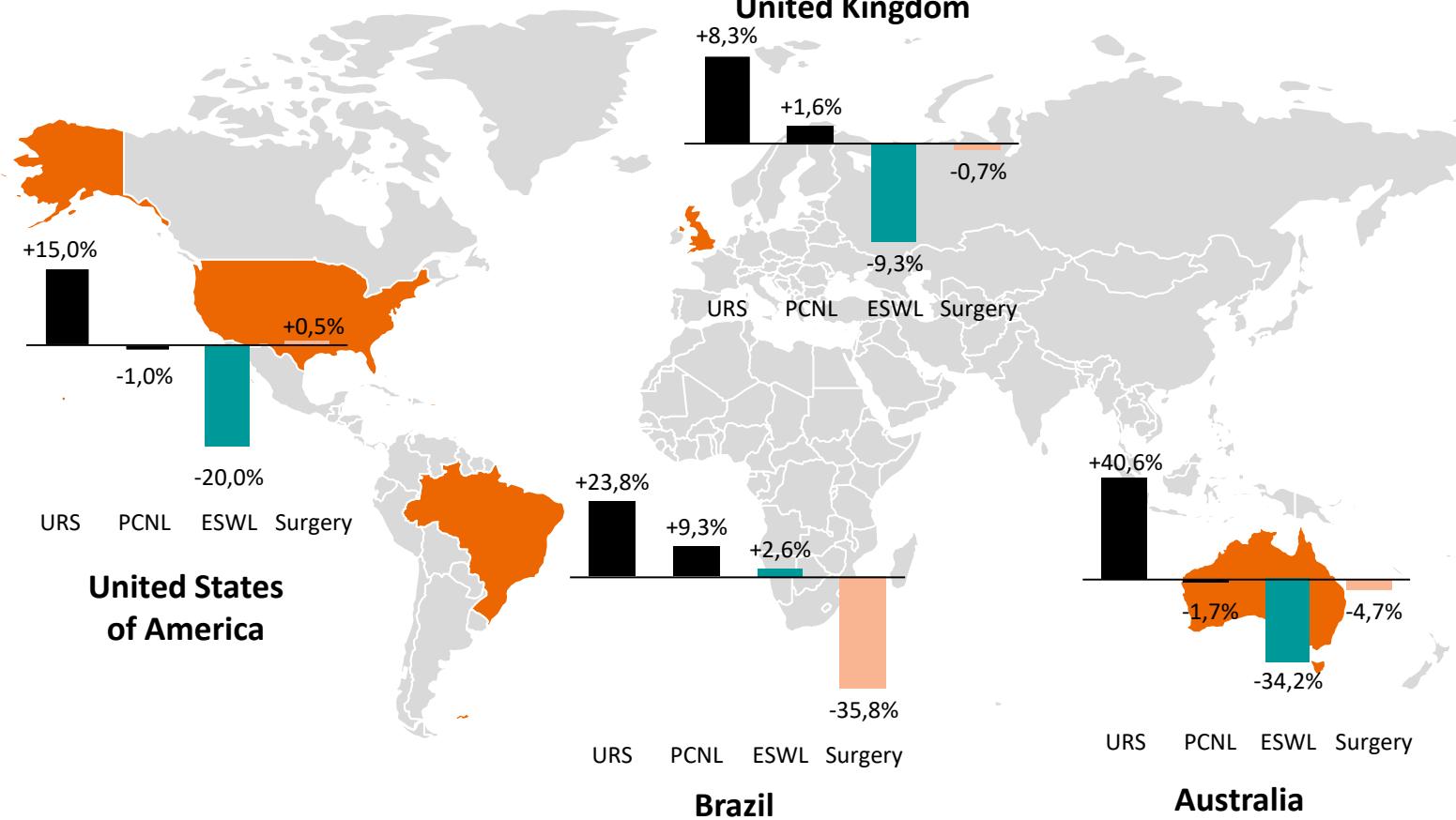
Uroskop Omnia Max

Sharper images made smarter



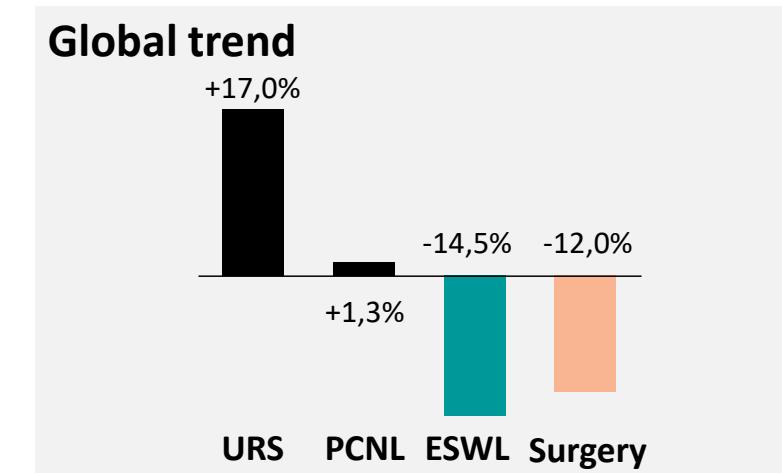
siemens-healthineers.com/uroskop-omnia-max

Global trends of urinary stone disease treatment



The share of total treatment for urolithiasis increased for URS, stable for PCNL, and decreased for lithotripsy and open surgery. Graphics show the global results of a study conducted in Australia, Brazil, U.K. and USA from 1996 – 2013.¹

Procedures in urology are changing toward minimally invasive techniques.



¹Geraghty Robert M., Jones Patrick, and Somani Bhaskar K.. Journal of Endourology. June 2017, 31(6): 547-556.
Worldwide Trends of Urinary Stone Disease Treatment Over the Last Two Decades: A Systematic Review.

Uroskop Omnia Max

Sharper images made smarter

In urology, inferior image quality, insufficient system ergonomics, and suboptimal image management can result in uncertain decision-making, cumbersome case preparation, and even delays during an intervention.

Uroskop Omnia Max supports you in **optimizing operational efficiency and patient safety**. Capture the **entire Kidney-Ureter-Bladder (KUB) tract with a single shot** in exceptional image quality at the lowest possible dose. Enjoy **free patient access** from all sides and smart, **single-button system positioning**.



Uroskop Omnia Max

Sharper images made smarter

Sharper images with CARE



Smart workflows



Smart integration





Sharper
images
with CARE

Excellent visualization

Full coverage of the KUB tract in one shot

One shot – see the entire KUB clearly



33 cm (13") image intensifier



43 cm x 43 cm (17" x 17") FD

The dynamic flat detector offers 116% more image area and lets you see real KUB in one exposure.

Excellent visualization

Faster overview – images from all modalities in sight



- View and compare multimodality images side by side during interventions¹
- Get a clear view of the monitor from any position
- Display live and reference images from endoscopy, ultrasound and DICOM modalities next to your radiography or fluoroscopy images¹
- Endoscopy images even in high definition (HD) resolution¹

All the images you need side by side – for ergonomic working positions and efficient documentation.

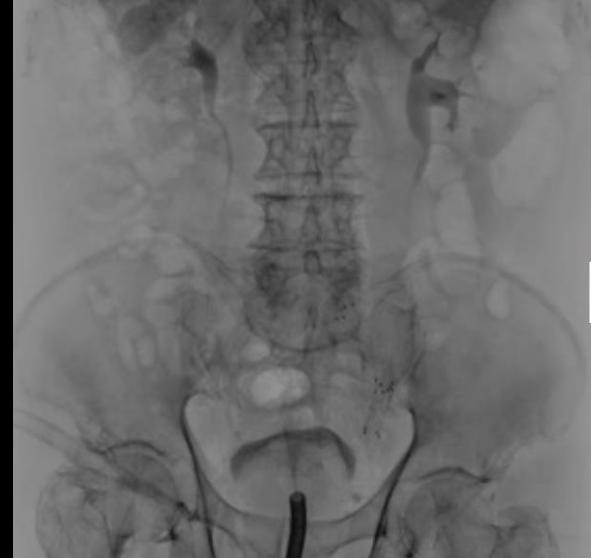
¹ Option

Uroskop Omnia Max is not commercially available in all countries. Its future availability cannot be guaranteed.

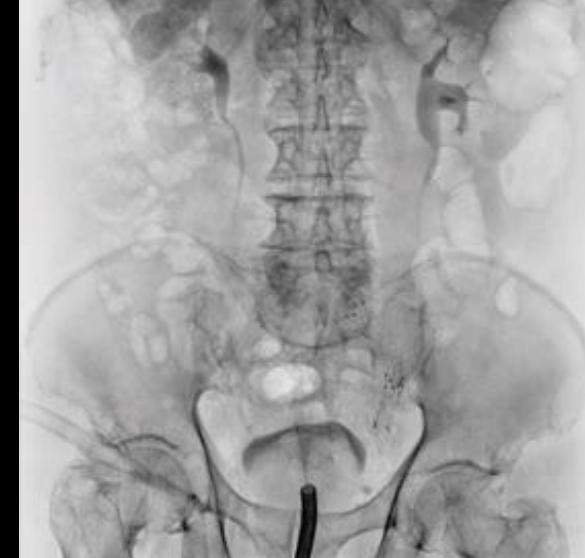
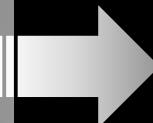
Excellent visualization

SIEMENS
Healthineers

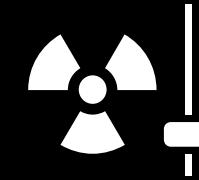
Less noise better detail recognition with DiamondView MAX



Without DiamondView MAX



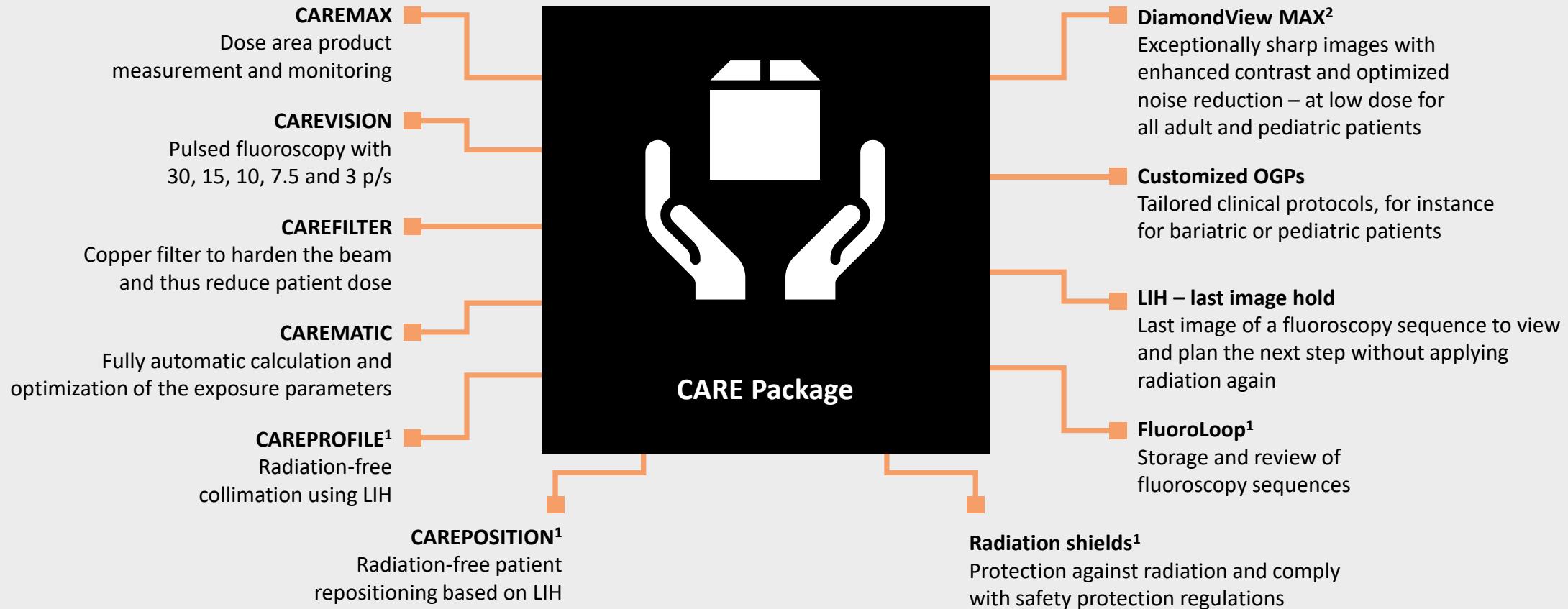
With DiamondView MAX



DiamondView MAX is our unique image processing engine that delivers exceptionally sharp images with enhanced contrast, a high level of detail visibility, and optimized noise reduction for both static and dynamic images – at a low dose for all adult and pediatric patients.

Dose management with CARE

(Combined Application to Reduce Exposure)



¹ Option

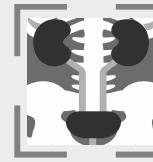
² Applicable for all MAX systems with software version VF10 or higher

The features and/or service offerings mentioned herein are not commercially available in all countries and/or for all modalities. Their future availability cannot be guaranteed.

Enhanced CARE Package

(Combined Application to Reduce Exposure)

Snapshot mode¹
captures images
with no interruptions.



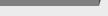
Digital zoom¹
enlarges images
with no dose.



**Histogram-based
dose regulation¹**
enables consistently
high image quality.



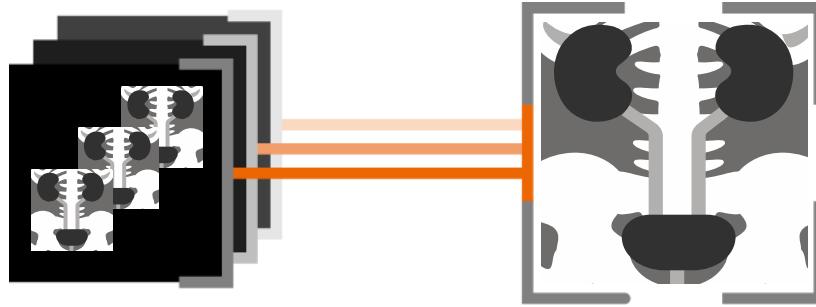
Proactive FluoroLoop¹
effortlessly saves
all sequences.



¹ Option as a part of Enhanced CARE Package or as single license

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Snapshot mode captures images with no interruptions



What it is:

- An **instantaneous image**, generated during fluoroscopy at a **lower dose** than a DFR or DR acquisition.
- A Snapshot image is the **sum of several fluoroscopy images** that's automatically created and saved.
- Snapshot mode¹ **doesn't interrupt** the ongoing fluoroscopy process.

Your benefits

It's fast:

Instantaneous image capture.

It's dose-saving:

Snapshot images can be used for further documentation, so no additional DR or DFR images are required.

It's easy:

No delay or interruption in your fluoroscopy sequence, because no mode change from fluoroscopy to acquisition is required.

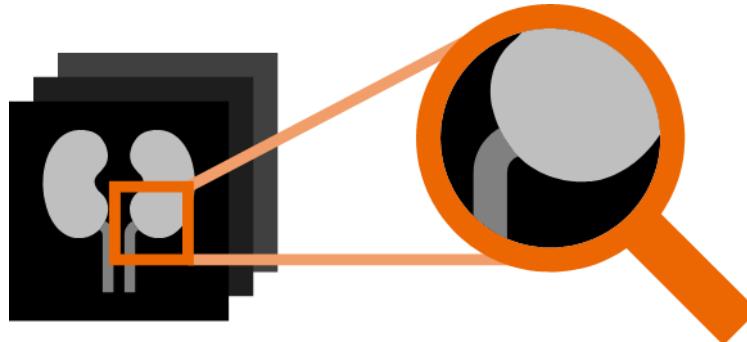
Better image quality than:

- Single image from a fluoroscopy sequence
- LIH image

¹ Option as a part of Enhanced CARE Package or as single license

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Digital zoom enlarges images with no dose



What it is:

- **Digital real-time and dose-free zooming-in** on clinical images during fluoroscopy.
- The Digital zoom¹ is similar to a conventional zoom, but it's executed with **no additional dose**.
- You can toggle between **four different zoom stages**.

Your benefits

It's dose-free:

Zoom in on clinical images with no additional dose.

It's easy:

When Digital zoom¹ is activated, only the radiation dose for fluoroscopy will be applied, with no additional dose for the zoom function.

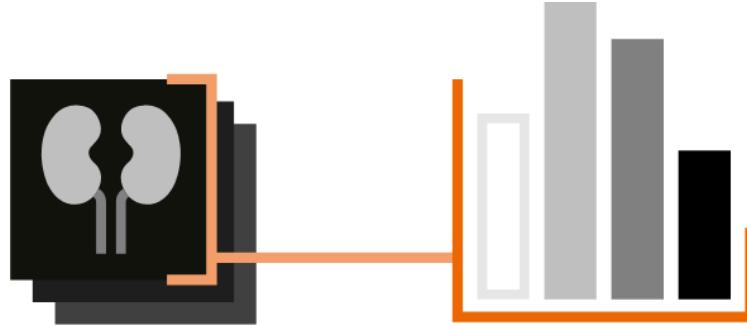
It's fast:

The decision to use Digital zoom¹ can be made before or during fluoroscopy.

¹ Option as a part of Enhanced CARE Package or as single license

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Histogram-based dose regulation enables consistently high image quality



What it is:

- Alternative to the standard measuring fields that **regulates the dose automatically**.
- Histogram information from the **entire collimated image area** is used for dose calculation.
- The mean value of all pixels is used to calculate the dose, after **eliminating extremely high and extremely low density values**.

Your benefits

It's easy to read:

Histogram-based dose regulation¹ provides a consistent live fluoroscopy impression, with no disturbing factors caused by very dark or bright image areas (e.g., implants or contrast media).

It enables easy positioning:

There's no need for precise patient positioning in relation to the dose measurement fields.

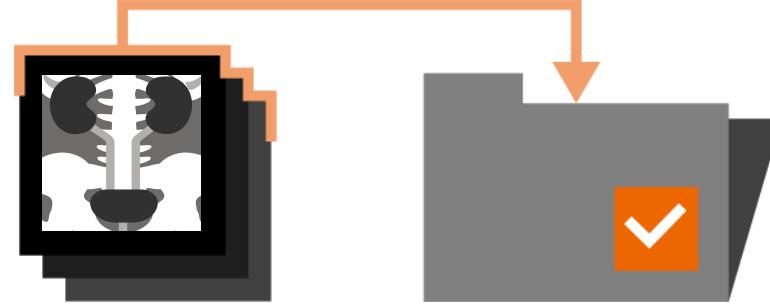
It minimizes dose:

A consistently high image quality facilitates the diagnosis, which minimizes the radiation dose.

¹ Option as a part of Enhanced CARE Package or as single license

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Proactive FluoroLoop effortlessly saves all sequences



What it is:

- **Automatic storage of the current and all upcoming** fluoroscopic sequences.
- The fluoroscopy sequences are stored for **documentation purposes**.

Your benefits

It knows what you need:

Proactive FluoroLoop¹ automatically saves the sequence after the exam is finished. Never worry about capturing the right images during a long or complex procedure.

It's labor-saving:

The distracting process of manually saving fluoroscopy loops is eliminated, because the function only needs to be activated once and it remains activated for all future patients.

It's dose-saving:

Prevents unnecessary retakes and thus additional dose application that could result from forgetting to manually store fluoroscopy sequences.

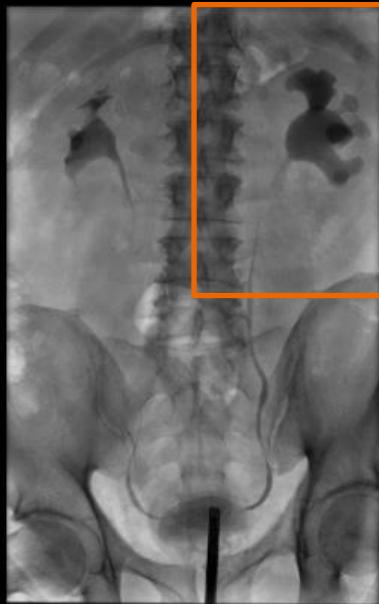
¹ Option as a part of Enhanced CARE Package or as single license

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Excellent visualization

Focus on your patient and avoid additional radiation dose

Targeted navigation¹



Dedicated programs for children



Keep full orientation – completely radiation-free.

¹ Option
Uroskop Omnia Max is not commercially available in all countries. Its future availability cannot be guaranteed.

Pediatric imaging assisted by radiation-free positioning and dedicated parameters for low dose.

CARE for you

Scattered radiation shielding

**Optimal protection against scattered radiation
in a highly restricted workspace with MAVIG
X-ray protective shields¹**

- Flexible, ceiling mounted radiation protection
- Optimized for urologic interventions carried out in the lithotomy position
- Significant reduction of exposure to scattered radiation, especially for the eye lens
- High quality shield made of lead acrylic allows for an unimpeded view

Effective radiation protection for the head of the operator.



© MAVIG GmbH, Munich

¹ Option

X-Ray Protective Shield – Series OT81/OT91 is a Medical Device of the MAVIG Company.



Smart workflows

Get access from all sides

Unique ergonomics – for both urologist and staff



Uroskop Omnia Max is not commercially available in all countries. Its future availability cannot be guaranteed.

- **Patented design – free access**

The patented curved X-ray column offers truly unrestricted patient access from all four sides, making patient repositioning unnecessary whatever the procedure.

- **Faster operation – reproducible positions**

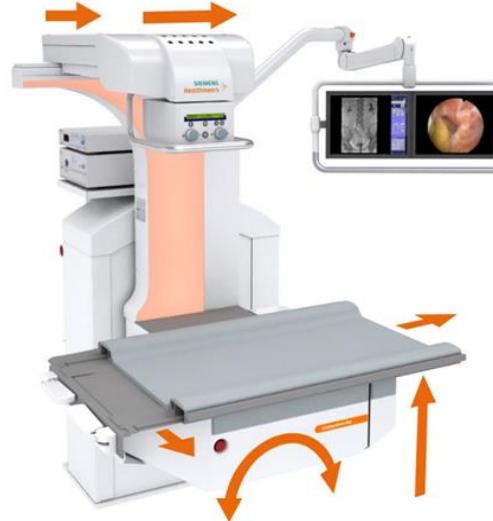
With SmartMove, Uroskop Omnia Max automatically takes the fastest and shortest way to any position you need.

- **Easy adjustment – for small and slender patients**

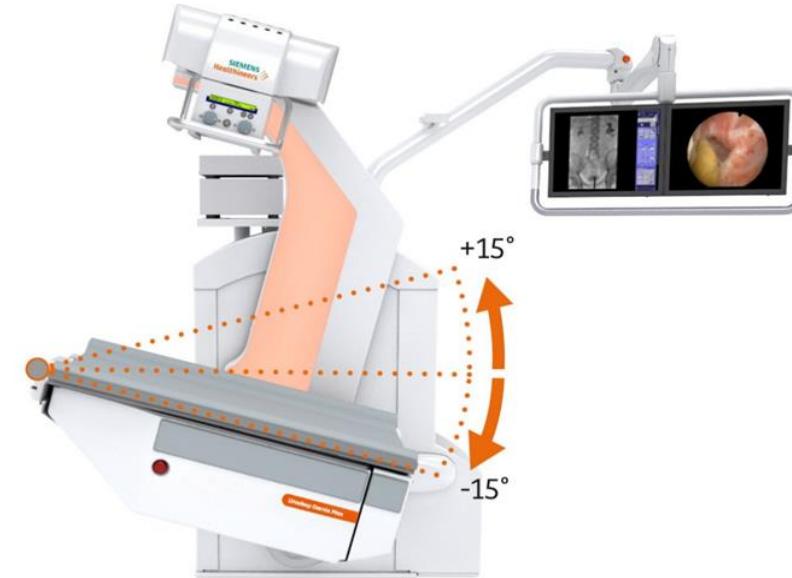
Easily and quickly adapt Uroskop Omnia Max to the needs of children or very slender adults.

Truly unrestricted patient access from all four sides for both the urologist and staff.

Faster operation Reproducible positions with SmartMove

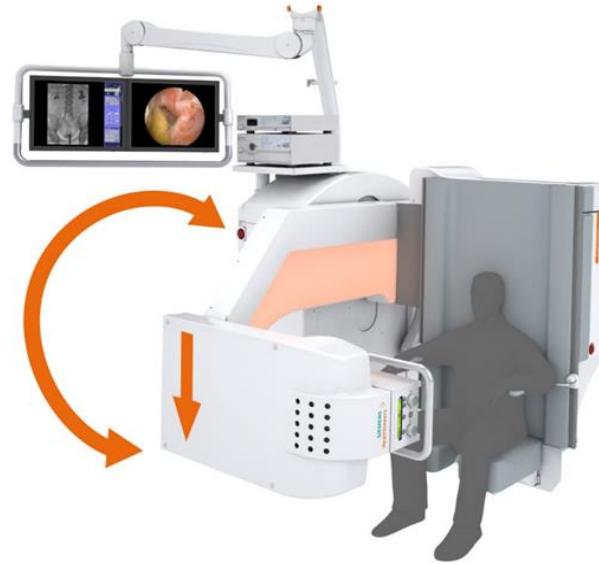


By pushing a **single button**, the system moves to where you need it; e.g., from the patient transfer position to your standard working position.

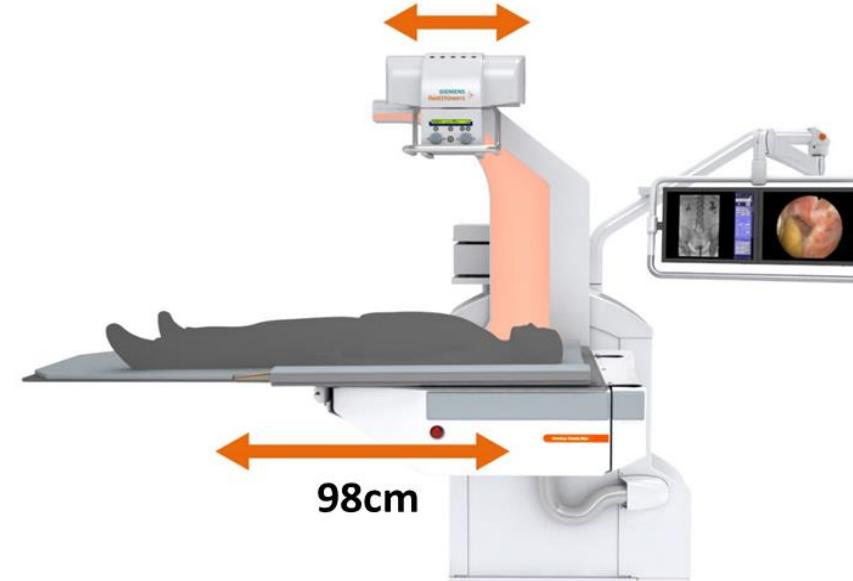


When moving to a **Trendelenburg position**, the table height is leveled around the perineal end to keep your working height constant.

Faster operation Reproducible positions with SmartMove



When moving to a sitting micturition position, the patient can sit comfortably with feet on the ground.



Through a combination of table, tube, and detector movements, longitudinal patient coverage can be extended to up to 98 cm.

Safe operations Intuitive and sterile



Multifunctional foot switch¹

intuitive, sterile control of all system movements, video functions, exposure of X-ray and fluoroscopy



Hand-held control¹

easy, intuitive remote operation of all system and imaging functions

Intuitive and sterile operation – helping you enhance both patient and occupational safety.

¹ Option
Uroskop Omnia Max is not commercially available in all countries. Its future availability cannot be guaranteed.

Improve your processes

Disinfection



Maintain the highest standards for infection control with

- seamless covers
- sealed tableside modules and
- a comprehensive cleaning concept



Cleaning Guide
Improve your patient safety
Uroskop Omnia Max
siemens-healthineers.com/uroskop-omnia-max

Cleaning and disinfecting things that matter

Through cleaning items

Conformance protection

Workflow protection

System damage protection

There are two types of cleaning procedures:

Intensive disinfection

Interim disinfection

Simple steps to a clean system

Intensive disinfection

- 1. Tube head
- 2. Tube support arm
- 3. Hand control
- 4. Monitor
- 5. Table
- 6. Accessories
- 7. Footswitch

Interim disinfection

- 1. Tube head
- 2. Tube support arm
- 3. Hand control
- 4. Monitor
- 5. Table
- 6. Accessories
- 7. Footswitch

Because infection control matters – Uroskop Omnia Max is designed to support your infection control measures.



Smart integration

Improve your processes

One workplace – efficient workflow

Cover your wide range of urological procedures with a comprehensive urological workplace:

- Urodiagnostics
- Endourology
- (Video-)Urodynamics
- Lithotripsy

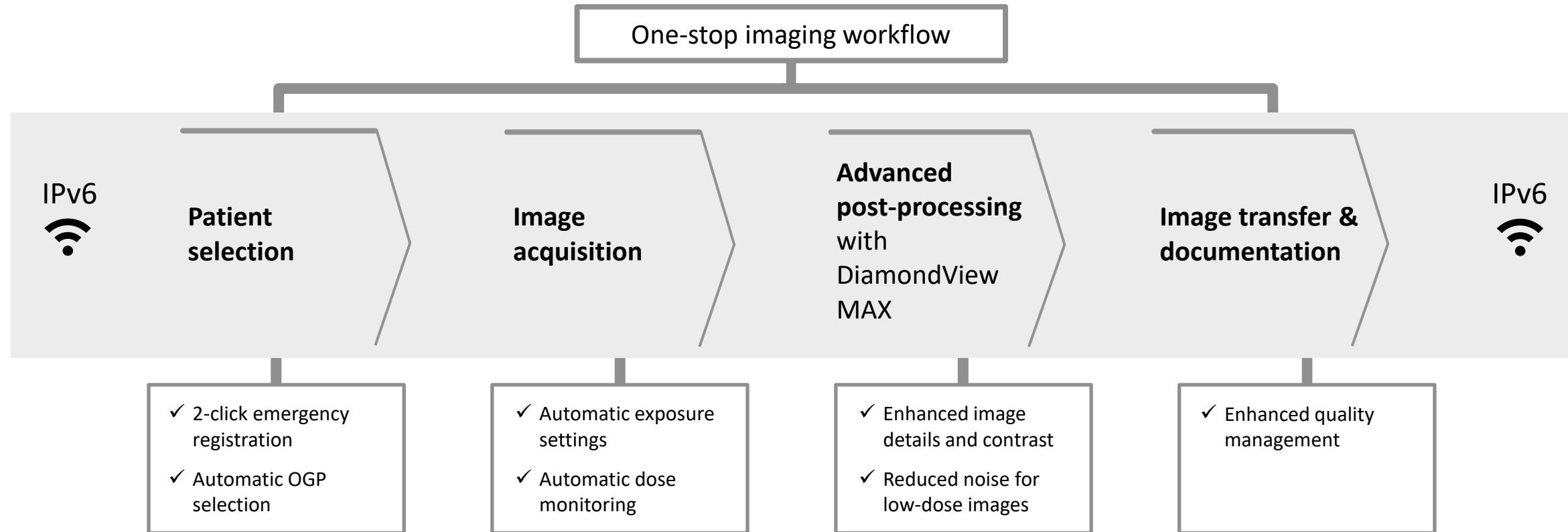
Enjoy efficient workflow with just one system in a single room.



Improve your processes

One-stop imaging workflow with *syngo* FLC

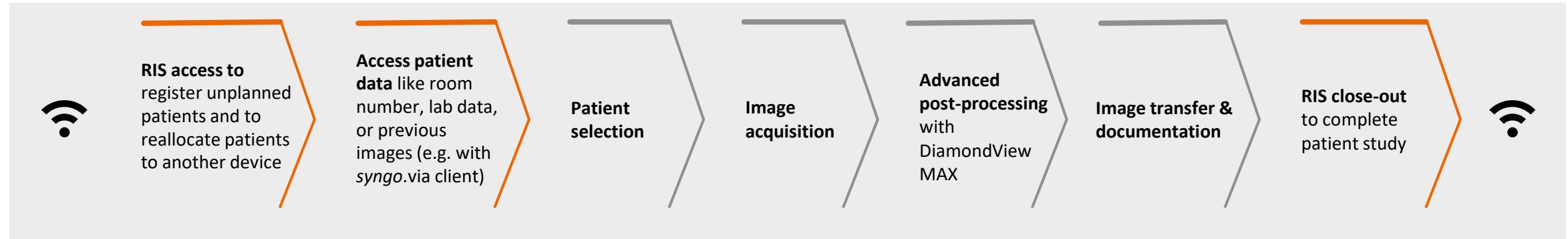
syngo FLC is our integrated imaging system for a seamless, fully digital workflow – from patient registration to image documentation. Radiography and fluoroscopy images can be stored in one patient folder.



Enhance workflows

Virtual workstation and access-relevant data at any time

The virtual workstation¹ provides a virtualized environment based on Windows 10 (Microsoft Hyper V). It allows you to install and access PACS, RIS, HIS, and other third-party applications (e.g. internet browser, PEPconnect², document reader) directly as well as to store documents (e.g., for hospital guidelines) for your individual needs.



¹ Option

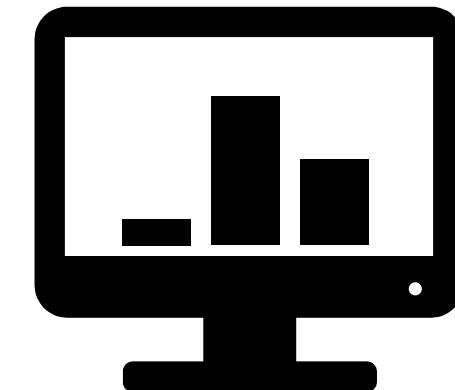
² Subject on country specific availability.

Improve your processes

Integrated, enhanced quality management

By providing a **comprehensive overview of dose and image quality**, Uroskop Omnia Max makes it easy to monitor your system's performance and determine your training needs.

- Clinical Assurance Program with reject analysis helps you **establish the causes of repeat examinations and identify areas where training is required**
- Exposure Index and Deviation Index values **improve your monitoring of under- and overexposure** – for better images, fewer retakes, and lower patient dose
- DICOM Dose Reporting sends documentation to the PACS as a DICOM object for **automatic, faster, and easier patient dose recording**



Improve your processes

Multimodality images – stored together

HD VideoManager¹

- Plug-and-play interface
- Connect up to 6 image sources simultaneously endoscopy even in high definition (HD) resolution
- Images can be seamlessly transferred to an additional screen or urodynamic system¹
- File images from all modalities together with X-rays as DICOM images in one patient folder¹
- Send images to your PACS as a bundled package for fast retrieval anytime¹

Have everything you need in one place and in exceptional image quality.



¹ Option

Keep your IT secure

Defend yourself against cyber attacks

Uroskop Omnia Max features security by design and a comprehensive update of cybersecurity options to keep your medical equipment protected throughout the entire lifecycle. The system is delivered with standard cybersecurity offerings and if necessary, advanced security solutions can be optionally added for an even higher level of security.

Standard

Secure Development Lifecycle

- Secure Coding & Testing
- Vulnerability Scanning
- Penetration Testing

Whitelisting

Encrypted data storage

90-days hotfixes

Option

Advanced security package

- Advanced user management
- Centralized access role management
- Audit trail
- DICOM encryption

Hardware security package

- Lock to generator cabinet
- Hardware port covers for *syngo FLC*

Uroskop Omnia Max

Technical specifications

Tube & Generator

- Choice of 65 kW or 80 kW¹ high-frequency generator
- High anode heat capacity (820 kHU) and air-cooled X-ray tube assembly

Fully motorized table

- Tilting ± 90° for examinations with patient seated or standing
- Trendelenburg tilt ± 15° around perineal table end
- 72 cm to 122 cm (28" to 48") adjustable table height
- Table size of 115 cm x 76 cm (45" x 30")
- Longitudinal ± 20 cm (8") and transverse ± 12.5 cm (5") movements
- Max. patient capacity of 272 kg (600 lbs)

Image acquisition & post-processing

- 43 cm x 43 cm (17" x 17") dynamic flat detector for excellent static & dynamic imaging
- CAREVISION pulsed fluoroscopy with 30, 15, 10, 7.5, and 3 p/s
- Workstation with two 48 cm (19") TFT displays
- DiamondView MAX for increased image sharpness and soft tissue detail
- Pediatric organ programs

MoodLight¹

- Creates a friendly working environment
- Color and transitions configurable by the user

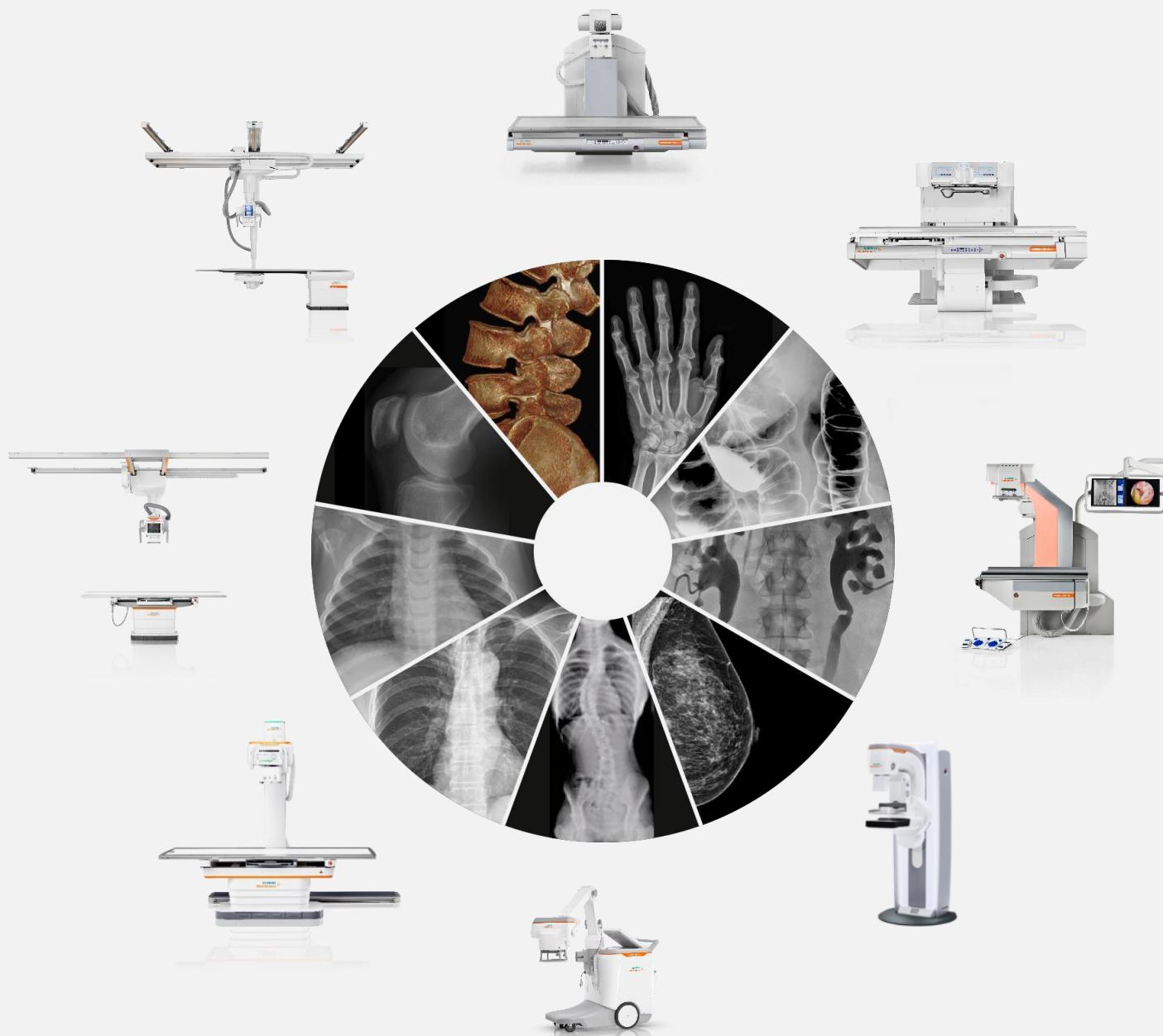
Workflow

- System-mounted swivel arm with two large 48 cm (19") TFT displays
- SmartView¹ – access to all imaging modalities and display of live images from multiple sources such as endoscopy, ultrasound or review workstations
- Single remote console for control of table, tube, detector movements
- Multifunctional foot switch¹ – intuitive, sterile control of all system movements and video functions, exposure and fluoroscopy



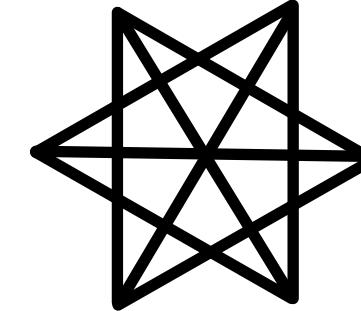
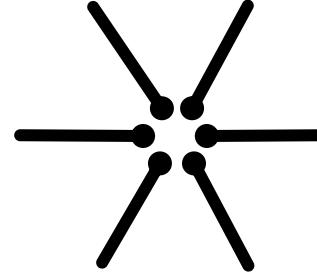
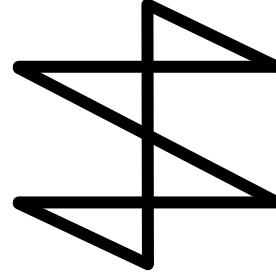
¹Option

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Unlock the potential of your imaging department

Leverage Fleet Level Benefits
across your X-ray department



Complex operations

- Systems with different user interfaces and workflows
- Different staff knowledge levels
- Different image quality

Complex data management

- Siloed data cannot be managed or used for analytics
- Data has no value if it is not analyzed

Complex IT infrastructure

- Systems with diverse cybersecurity solutions
- Systems with different hotfix cycles

To achieve high efficiency in your imaging department, you need to reduce complexity

Powerful strategies to reduce complexity

Fully supported across our entire X-ray portfolio



Standardize for consistency

- Systems with highly intuitive user interfaces and common workflows
- Staff with consistent knowledge level
- Unified image quality and same image impression



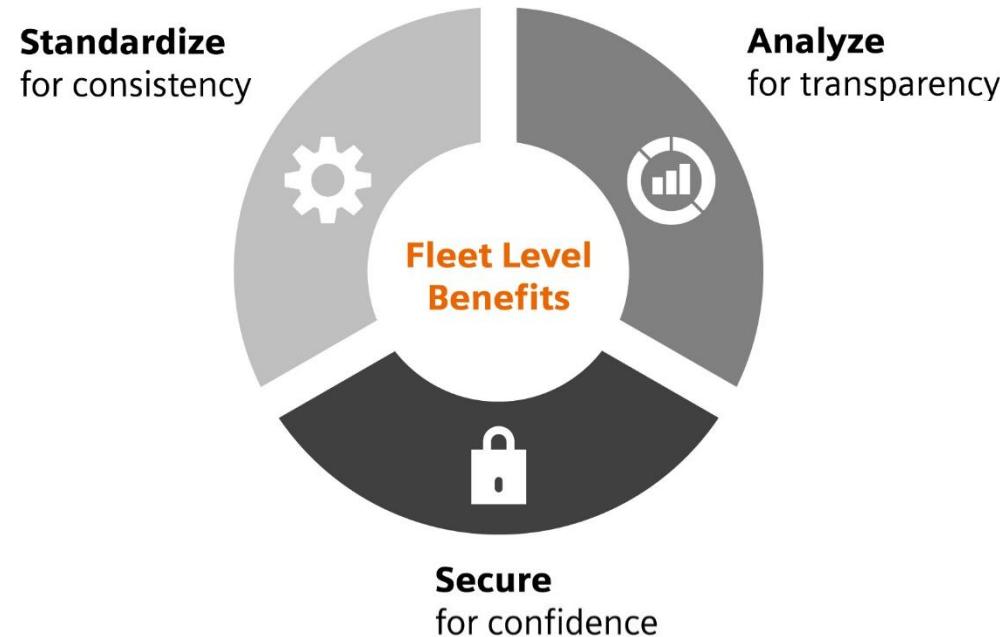
Analyze for transparency

- Consolidated data in one place
- Analyzed and evaluated data turned into valuable information



Secure for confidence

- Protect large IT network and imaging fleet with one cybersecurity philosophy
- Same maintenance cycles and update strategies for the whole fleet



Siemens Healthineers offers specific solutions across the **entire X-ray portfolio** which let you **standardize, analyze and secure your fleet**. Experience **consistency, transparency and confidence** as valuable Fleet Level Benefits and **improve outcomes, increase efficiency and achieve greater staff and patient satisfaction**.

Unlock your potential – and increase the efficiency across your imaging fleet

Increasing value

**Benefit from
innovative services**

Rising cost pressure in healthcare drives need for continuous optimization across the equipment lifecycle



Unplanned downtimes of equipment

leading to:

high financial burden due to high idle costs



Interruptions of daily operations

leading to:

insufficient use of staff and inefficient patient flow



Insufficient level of staff expertise

leading to:

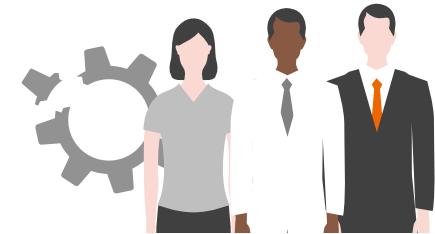
delays in patient flow and low patient satisfaction



Obsolescence of assets

leading to:

negative return on investment over time



Operational inefficiencies and workforce shortage

leading to:

loss of productivities, delays in exam schedules and negative patient experience

..... 

Siemens Healthineers Customer Services allows you to perform today and excel tomorrow

.....

Performance Plans for your X-ray equipment

Optimizing equipment performance at defined costs

Performance Plan ...	PRO	PROTECT	PLUS	TOP
Optional combination with other service plan	Education Plans	Education Plans	Education Plans	Education Plans
Optional Services	PEPconnections ¹ Remote Assist ²	PEPconnections ¹ Remote Assist ²	PEPconnections ¹ Remote Assist ²	PEPconnections ¹ Remote Assist ² Special Components
Core Services	Service Parts Corrective Maintenance Updates Quality Assurance Safety Checks Preventive Maintenance			
Connect Platforms & SmartEnablers	teamplay Fleet / PEPconnect / SRS			

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¹ Subscription required. Availability of subscription depends on country. ² Prerequisites: stable SRS connection with adequate bandwidth

Accessory Solutions complements your imaging equipment with workflow-related 3rd party products



Connect
Siemens Healthineers imaging equipment with innovative adjacent 3rd party solutions

Select
To curate the optimal combination of Siemens Healthineers equipment with 3rd party brands

Protect
With equipment that underwent a Siemens Healthineers testing and/or quality review procedure

Effect
Operational efficiency in a concerted and timely delivery of a full solution

Disclaimer



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The information in this document contains general descriptions of the technical options available and may not always apply in individual cases.

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