

EXAMION®

X-Ray Systems · Digital Imaging · Service

X-DRS Ceiling Standard

Ceiling-mounted X-ray system to meet all the needs of hospitals



-DRS Ceiling Standard



Ceiling-mounted X-ray system




The complete X-ray system X-DRS Ceiling Standard consists of the high-quality EXAMION detectors, a ceiling-mounted X-ray tube, a motorized height-adjustable X-ray table and a wall stand.

In most cases, the system is combined with two detectors – one on the table and another on the wall stand. For systems where the patient volume is low, it is possible to only have one detector. Up to four detectors can be connected, for instance for table-top and special images.

Field of application

The ceiling-mounted X-ray system from EXAMION meets all the requirements of the hospital: from regular X-ray examinations to complex examinations in the operating theatre and emergency room, diverse areas of application are conceivable. But radiology and large medical care centres also benefit from the hospital standard.

X-DRS Ceiling Standard

-  MC
-  Radiology
-  Hospital

Cost-optimized X-ray system

The system's efficiency also keeps the lifecycle costs low. Trust in consistent performance and low maintenance requirements.





Technical Specifications



The universal product for hospitals

The X-DRS Ceiling Standard is an extremely robust X-ray system that covers the entire spectrum of hospital X-ray imaging requirements. The various options for X-ray tubes and generators are perfectly tailored to the needs of the hospital with large performance reserves to easily cope with all eventualities. The various tracking functions support the user in correctly positioning the system before the X-ray exposure.

Thanks to the easily movable X-ray tube, the system can be quickly moved into a wide variety of positions so that the functions of the ceiling mount can be fully utilized. Accordingly, bed exposures and lateral exposures can also be carried out with the patient lying down without any problems.

The standard version of the system is fitted with tracking functions. The X-ray tube is tracked by an electric motor as the table or wall stand moves. With the stitching variant, the corresponding rotation of the X-ray tube and the wall-mounted unit are motorized so that whole-leg and whole-spine recordings can be carried out fully automatically on the standing patient.

The touchscreen on the X-ray tube allows parameters to be changed quickly and simply for an efficient solution.



Synchronisation:

- Motorised tracking of the X-ray tube when the table height is adjusted
- Motorised tracking of the X-ray tube when the bucky on the wall stand is moved
- Stitching option: When the bucky is moved, the system automatically moves to the position required for partial images

Ceiling stand

Minimum focus-ceiling distance	830 mm
Vertical telescope travel range	1800 mm
Longitudinal travel range	3500 mm (optional: 5645 mm)
Transverse travel range	2150 mm (optional: 3500 mm)
Length of transverse track	3030 mm (optional 4380 mm)
Tube rotation range, horizontal axis	120° / +120°. For stitching option: -140° / +140°
Tube rotation range, vertical axis	-154° / +182°
Front touch user interface	SID; Horizontal tube rotation angle / Generator control; Stitching option: Stitching control
Motorized Movements	Vertical movement of the telescope; Stitching option: Tube rotation, horizontal axis and vertical movement of the wall stand (only in stitching mode)
Tracking	Tube follows bucky of the wall stand / Tube follows table height; Stiching option: Tube rotation and vertical movement at the wall stand are coordinated (only in stitching mode).

Elevating Table

Tabletop width	80 cm (31.5")
Tabletop length	240 cm (94.5")
Table height (motorized adjustment)	54 cm to 93 cm ± 1.5 cm (21.3" to 36.6" ± 0.6")
Tabletop travel	Longitudinal: ± 48 cm (± 18.9"); Transverse: ± 14 cm (± 5.5")
Patient weight	280 kg in standard positions (patient lying/sitting in the middle of table), 200 kg in other positions

Wall stand

Vertical movement	34 cm to 173 cm (13.4" to 68.1") above floor (centre to centre) Stitching option: 37 cm to 173 cm (14.6" to 68.1") above floor (centre to centre)
Tilting Bucky	Tilttable from -20° to +90° with 0°/90° detent

Generator options

Power rating	55 kW	65 kW	80 kW
mA range 60 kV	1 mA to 640 mA	1 mA to 1000 mA	1 mA to 1000 mA
mA range 100 kV	1 mA to 550 mA	1 mA to 650 mA	1 mA to 800 mA
mA range 125 kV	1 mA to 443 mA	1 mA to 524 mA	1 mA to 645 mA
mA range 150 kV	1 mA to 366 mA	1 mA to 433 mA	1 mA to 533 mA
kV range	40 kV to 150 kV		
mAs range	0.5 mAs to 800 mAs		
Time range	1 ms to 5 s (1-point/2-point technique), 20 ms to 5 s (3-point technique)		
General features	Automatic Exposure Control (AEC), high speed starter		
Dimensions (L x W x H)	1020 x 570 x 542 mm		

Tube options

Power rating	34 kW/80 kW 30 kW/50 kW 40 kW/80 kW
Focal spot	0.6/1.2 0.6/1.0 0.6/1.0
Anode heat storage	350 kHU 600 kHU 600 kHU
Tube voltage	150 kV
Anode drive frequency	150 Hz or 180 Hz

Other Specifications

Collimator	LED, Laser line localizer, rotation from -45° to +45°, detent at 0°
DAP (option)	DAP-chamber integrated in the collimator

-DR WiFi – Detectors in a range of sizes

Our detectors are at the heart of the digital X-ray system. They provide high quality X-ray images, saving time and man-hours. They are available in different versions, can be combined with each other and thus cover all requirements without any problems.

Data transfer via WiFi is supported and power can be supplied by a battery. If the detector is permanently installed, the appropriate power supply cabling is available as an option.



X-DR M WiFi TH

- Optimal as a supplementary detector for extremity images
- Suitable for incubators in neonatology
- Size: 23 x 28 cm

X-DR L WiFi und X-DR XL WiFi

- Best seller with excellent price in relation to performance
- Excellent picture quality that also complies with high requirements
- Sizes: 35 cm x 43 cm
43 cm x 43 cm

X-DR L WiFi Premium und X-DR XL WiFi Premium

- Minimal weight
- High protection against liquid infiltration
- Pixel pitch 100 µm: Premium quality X-ray images which meet the highest requirements
- Sizes: 35 cm x 43 cm
43 cm x 43 cm

Our models at a glance

	X-DR M WiFi TH	X-DR L WiFi	X-DR L WiFi Premium	X-DR XL WiFi	X-DR XL WiFi Premium
Pixel pitch	148 µm	150 µm	100 µm	139 µm	100 µm
Pixel matrix	1.920 x 1560	2.304 x 2.800	3.500 x 4.300	3.072 x 3.072	4.267 x 4.267
Weight	1.6 kg	3.4 kg	2.8 kg	4.6 kg	3.4 kg
Size	23 x 28 cm	35 x 43 cm	35 x 43 cm	43 x 43 cm	43 x 43 cm

-AQS Software – Acquisition, control, archiving

The EXAMION X-AQS software is a universal solution for X-ray image acquisition, processing and archiving, allowing you to control a wide range of CR digitizers, DR flat panels and X-ray generators as well as processes. The software is available as a DICOM modality to connect to your existing image archive, but also as a system solution with X-AQS PACS with standardised operation at viewer workstations. The software can be adapted to your needs and can grow along - always as you need it.



Placing of orders

- Touchscreen operation throughout
- Clear depiction and selection of body regions
- Freely configurable organ lists for each body region

Image acquisition

- State-of-the-art X-AQS image processing
- Consistent user interface and operation steps even when switching between CR and DR systems
- Digital X-ray journal

Post-editing

- Extensive functions for post-editing the image
- Complete diagnostic viewer with measuring tools even at acquisition workstation
- Export in DICOM and other formats via USB stick, DVD or e-mail

Additional features with X-AQS PACS

- Client software for an infinite number of viewer workstations
- Integration of peripherals such as ultrasound, endoscopy, CT and MRT

Webclient

- Full-featured web client not only for image viewing but also, for example, for patient management and order placement



The X-AQS with its user-friendly operating interface is the central controlling unit for digital X-ray. Simple and self-explanatory buttons enable the acquisition of perfect X-ray images with just a few clicks. We offer you a future-proof universal software platform that is constantly being further developed and tested by users.

EXAMION GmbH

EXAMION is a global provider of specialized solutions for digital radiography in human and veterinary medicine. For 35 years, we have been working based on the principle of "everything from a single source". We are available to our customers as a competent partner for planning, installation, and after-sales services.



Our technical and sales advice is tailored to the specific requirements of the customers and the practice premises. Contact our experts for your personalized advice!

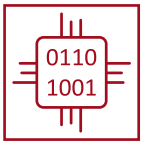
EXAMION currently services over 7,000 systems, most of which are stationary X-ray systems installed in medical and veterinary hospitals and practices. Our in-house developed EXAMION X-AQS software empowers the system control, image processing, reporting, and archiving while ensuring efficient workflow. In addition to digital radiography and image processing systems, our product portfolio includes digital mammography.

With more than 150 employees in Germany, our European subsidiaries in Belgium, Poland, Portugal, and Switzerland, and our ever-growing network of service and sales partners, we passionately support our customers throughout Europe and beyond.

Take advantage of our long-standing experience



X-ray systems



Digital systems

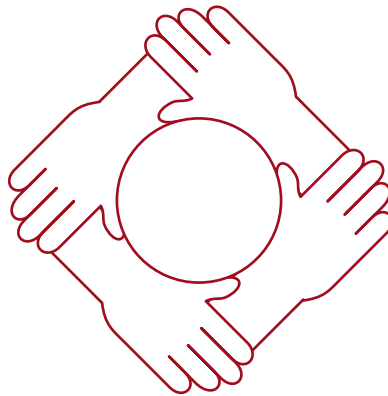


Image archives



Services



Contact – your local sales and service partners

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