

EXAMION®

X-Ray Systems · Digital Imaging · Service

X-DRS Ceiling Automatic

Digital ceiling suspension X-ray system



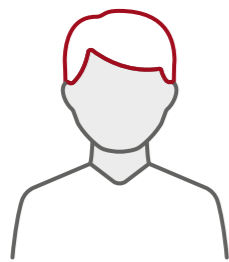


X-DRS Ceiling Automatic: A reliable solution for everyone

Efficient patient care through digital imaging

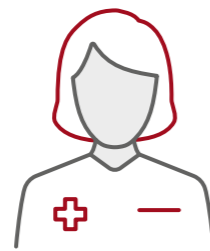
Everyday hospital life constantly confronts you with growing challenges such as workload, staff turnover and cost pressure. The current possibilities of digital imaging offer you an effective answer to these challenges, and at the same time take your patient care to a new level.

EXAMION develops X-ray systems for an efficient digital workflow to fully integrate with your hospital processes and accelerate the acquisition of X-ray images. With its smooth workflow and robust design, X-DRS Ceiling Automatic can be a reliable solution that withstands the intensive hospital workload. At the same time, EXAMION systems guarantee you a high level of cost-effectiveness over their entire service life.



Patient

- Short examination time
- Fast path to diagnosis



Operator

- Easy to drive
- Precise positioning
- Smooth workflow
- Little training required



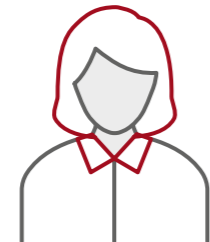
Radiologist

- High image quality
- Immediate availability of digital images



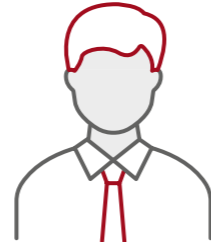
Medical technician

- Comprehensive service
- Maintenance concepts



Purchasing agent

- Financing concepts
- Rental models



Management

- Profitability
- Future-proof

Your advantages with X-DRS Ceiling Automatic

Precise Positioning

- Auto-positioning just by a single button; Automatic and fast alignment of the X-ray tube with the table and wall stand receptors according to pre-defined positions, previously configured for the customer
- 4 different possibilities to activate auto-positioning movement: capacitive handle, wall stand control box, infrared remote control, panel in the control room
- Easy operation, high security and precision of all positioning movements



Fully-automatic Servo-motorized Movements

- Auto-tracking; Synchronized automatic movements in all axes between the X-ray tube and the table/wall stand receptors.
- Capacitive handle; By just a gentle grab, the entire handle is active and it enables effortless and smooth movement.
- Motorized height adjustment of the table and the wall stand bucky



Patient Safety

- Table foot pedals with double click function to avoid occasional brakes release
- Table foot pedals lock control to avoid any unexpected movements
- Table-top high loading capacity

Operation Ease

- LED status indicator
- Wall stand tilting angulation display
- Stitching (option)



Table

- Elevating four-way floating table-top with electromagnetic brakes
- With foot pedal control
- Auto-tracking is available between the tube and table height, as well as the bucky position
- Minimum table height to 50 cm, facilitating the table accessibility for any patient type
- 350 kg table-top loading capacity

Ceiling Suspension Tube Crane

- With a 12" touchscreen control console
- Easy and effortless driving in all axes thanks to the capacitive handle
- Light weight telescopic column with five steps for a precise, smooth and quiet movement
- 360° X-ray tube rotation and 270° X-ray tube angulation
- Concealed cable management ensures that the cables do not interfere with any movement
- Auto-collimation according to different SIDs

Tilting wall stand

- Motorized auto-positioning and auto-tracking functions available in all axes
- Tilting: -20°/+90°
- Lateral hand grips, providing patient support during exposures
- Automatic movements control box provided with an emergency Off switch
- Tube head lowers to 34 cm from the ground



X-AQS Software

Intuitive modular solution

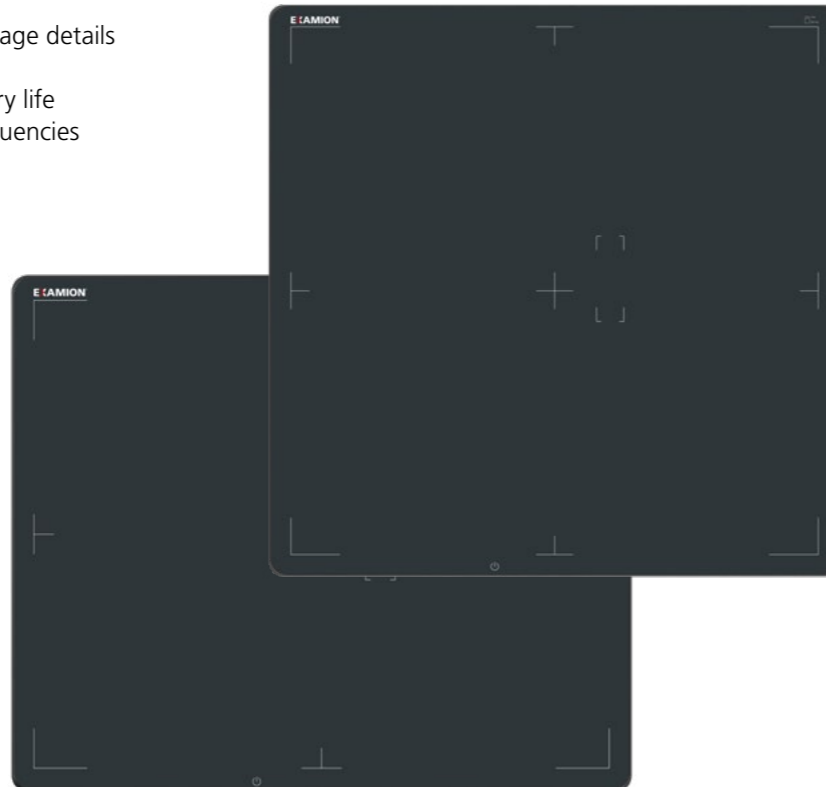
- Easy connection with medical center RIS including procedure code mapping
- Easy access to patient information and worklist
- Body organ tree with customer-specific configuration
- Comprehensive integrated positioning guide and preset exposure values
- Identical software for all EXAMION systems
- Multi-touch screen



X-DR WiFi Detectors

Superb image quality

- 100 µm pixel pitch with high bit depth for more image details
- Lightweight design with IP56 ingress protection
- Large capacity battery design, with 8+ hours battery life
- Direct deposition CsI, with excellent DQE at all frequencies



Technical Specifications

X-ray specifications

Generator power (high frequency)	50 kW	65 kW	80 kW
kVp range	40 to 150 kVp in 1 kVp steps		
mA range	10 to 630 mA	10 to 630 mA	10 to 800 mA (10 to 1000 – Option)
mAs range	0.1 to 630 mAs (800 or 1000 mAs – Option)		
Exposure time range	0.001 – 10 s		
Main voltage	400/415/440/480 VAC ± 10%, 3-phase 50/60Hz		
AEC	mAs: 0.1 mAs to 500 mAs		
Focal spots	0.6 mm/1.2 mm		
Anode heat capacity	400 kHU	600 kHU	
Maximum power: with focal spot 0.6	40 kW	42 kW	
with focal spot 1.2	102 kW	100 kW	
Anode target angle	12°		
Tube voltage	150 kV		
Anode frequency	180 Hz		

Overhead tube crane specifications

Fully-automatic servo-motorized OTC with telescopic column, auto-centering, auto-tracking and auto-positioning			
Ceiling height at source image distance	2700 mm to 3000 mm		
Focal spot vertical travel	2000 mm		
Maximum longitudinal travel	2972 mm to 5172 mm (depending on the rail length)		
Maximum transversal travel	1595 mm to 2595 mm (depending on the rail length)		
Tube head rotation	Beta axis: ±180°	Alpha axis: -180°/+135°	
Collimator	Automatic, with light field indicator, and laser line localizer, ±90°		
Tube head control console	12" touch-screen monitor		

Elevating table

Elevating four-way floating table-top with electromagnetic brakes, auto-tracking in vertical and longitudinal axes	
Dimensions (l x w)	2400 mm x 868 mm
Table height (motorized adjustment)	500 mm to 900 mm
Table-top loading capacity	350 kg

Tilting wall stand

Auto-positioning, auto-tracking, and auto-centering functions are available	
Vertical travel range	34 cm to 190 cm
Bucky tilting angulation	-20°/+90°

Wireless portable detectors

Model	X-DR L WiFi Premium	X-DR XL WiFi Premium
Pixel pitch	100 µm	100 µm
Pixel matrix	3500 x 4300	4267 x 4267
Active area	35 cm x 43 cm	43 cm x 43 cm
AD conversion	16 bit	
Weight	3.0 kg	3.4 kg
Ingress protection	IP56	IP56
Battery capacity	8.5 hours	7.5 hours

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 radiographic systems and software solutions, our product portfolio includes digital mammography and X-ray therapy systems.

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.

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