



# Amadeo C

## Ceiling-mounted X-ray system with Bucky wall stand and table

**Digital, motorised X-ray system with best auto-positioning technology, ceiling mount, height-adjustable patient table and Bucky wall stand**

Due to the special ease of movement, supported by auto-tracking and APR positioning, the ceiling mount can be moved quickly, efficiently and effortlessly to the desired position (pre-programmable). The **Amadeo C** X-ray system can be optimally adjusted to various spatial circumstances. The height-adjustable four-way floating table top with motorised vertical lift is the ideal support for all routine examinations. Thanks to the high load-bearing capacity paired with the large sensitive area, obese and large patients can be examined without repositioning. The wall stand can be set up free-standing and is equipped with an electromagnetic brake. Thanks to the optimal travel range of the Bucky diaphragm, the entire torso can be examined.

The **dicomPACS®DX-R** control console takes over all functions for the operation of the system.

Three versions of the **Amadeo C** X-ray system are available:

- **Amadeo C-DRw** with wireless X-ray detectors (14" x 17")
- **Amadeo C-DR** with dual detector (17" x 17" fixed and wireless 14" x 17")
- **Amadeo C-DR** with dual detector (2x 17" x 17" fixed)
- Third X-ray detector optional



## System benefits

**Optimal:** Simple room planning according to your individual needs – flexible rail solutions and adjustable preferred positions allow the flexible assignment of wall stands and bucky tables to different room conditions.

**Sophisticated:** Fully automated for maximum productivity – very easy, safe and fast positioning (motorised movements, auto-tracking function, APR positioning, auto stitching) → degree of automation individually adjustable

**Time-saving:** No additional effort required for rotating the detector (when using a 43 x 43 cm detector) – no tedious turning for landscape or portrait shots

**Efficient:** integration into your existing patient management system – patient data at the push of a button

**Excellent:** high-quality X-ray detector based on a caesium iodide (Csl) scintillator – top image quality even at low X-ray doses

**User-friendly:** self-explanatory OR Technology acquisition software **dicomPACS® DX-R** including free special measurement functions

**Fast:** shortly after taking the shot (6 - 8 seconds), the X-ray image is already available for viewing and diagnostic evaluation

**Cleverly designed:** integrated X-ray positioning guide helps choose the perfect positioning for each examination including helpful photos, videos and correct X-rays images

**Accessibility:** integrated diagnostic software offers a worldwide, fast and cost-effective information exchange (via cloud or email)

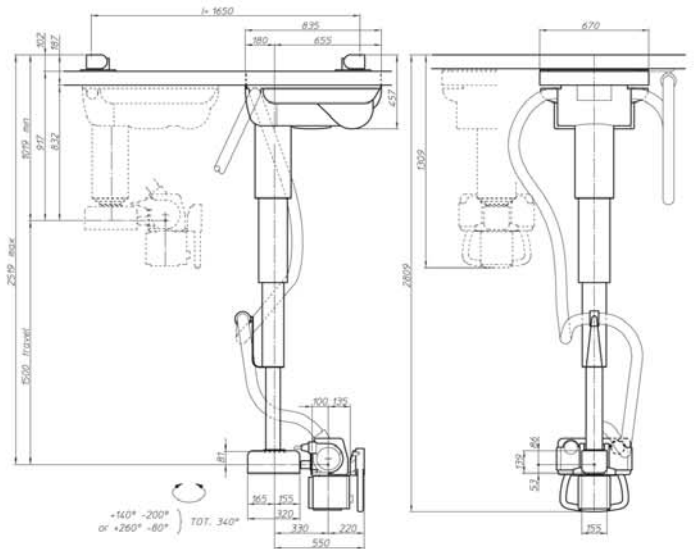
**One of a kind:** safe and quick registration of emergency patients and user-defined macros for recurring examinations, e.g. thorax screenings



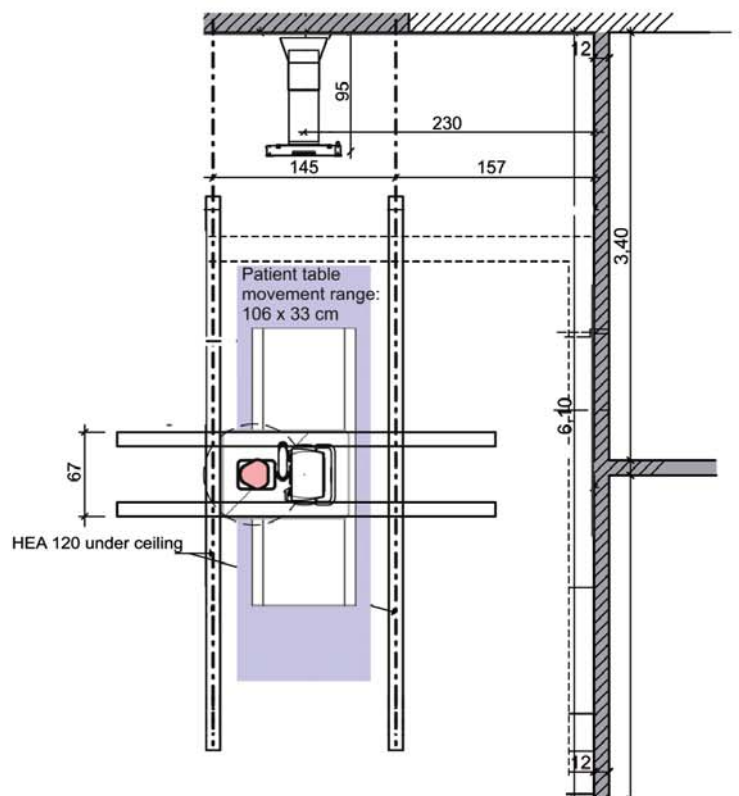


# Measurements

Ceiling stand front / profile



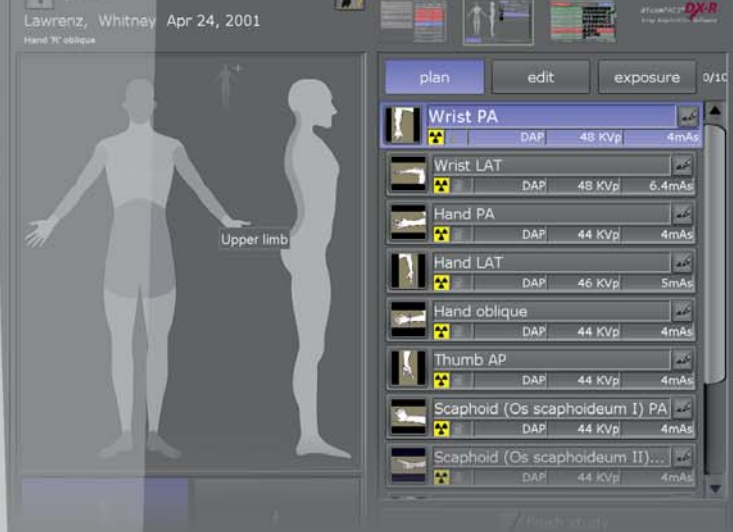
View from above [room example]



More information about **Amadeo C** can be found here: [www.or-technology.com](http://www.or-technology.com)

# Advantages of professional acquisition software

- Modern graphical user interface (GUI) adaptable to almost any language, **touchscreen** operation – to ensure quick and efficient work and a smooth workflow
- Capture patient data via **DICOM Worklist**, **BDT/GDT**, **HL7** or other protocols – data may also be captured manually
- Use **DICOM Procedure Codes** to transfer all relevant examination data directly from the connected patient management system (HIS/RIS)
- Freely configurable** body parts with more than **400 projections** and numerous possible adjustments already included
- Safe and fast **registration of emergency patients** allowing the user to **switch between examinations** of a patient, for instance to avoid having to re-position the patient frequently
- Allows the user to **subsequently add images** to an examination, even after that examination has been completed
- Multi-generator operation** for alternating between mobile and stationary X-ray systems
- Additional **special functions** including Chiro Tools (diagnostic tools for efficient analyses) and tools assisting with NUCCA examinations
- User-defined macros for recurring examinations**, e.g. thorax screenings
- Fully **integrated radiographic positioning guide** for each examination incl. comprehensive notes, photos, videos and correct X-ray images
- Option to **control** a digital X-ray system **via wireless remote** incl. display of the worklist, preview of the image taken for checking and much more



# Standard components Amadeo C systems

	Ceiling mount X-ray system with wireless X-ray detector 14" x 17" <b>Amadeo C-DRw</b>	Ceiling mount X-ray system with dual detector (17" x 17" fixed and wireless 14" x 17") <b>Amadeo C-DR</b>	Ceiling mount X-ray system with dual detector (2x 17" x 17" fixed) <b>Amadeo C-DR</b>
50/80 kW HF generator	✓	✓	✓
X-ray table <ul style="list-style-type: none"> <li>motorised X-ray table with 4-way floating table top (220 x 81 cm) (shorter lengths available for small rooms)</li> <li>55 cm – 85 cm (table top heights) height adjustment</li> <li>110 cm longitudinal, 24 cm transverse table top travel</li> <li>extremely low table top filtration for best exposure</li> <li>stable construction with high load capacity of the table, max. 225 kg (500 lbs)</li> <li>heavy-duty grid cabinet (103 LPI, 10:1 grid), height adjustment 55 cm (other grids available)</li> </ul>	✓	✓	✓
Wall stand <ul style="list-style-type: none"> <li>155 cm motorised vertical travel</li> <li>fully counter-balanced, double rope system for safety</li> <li>negative electrical lock for easy positioning and permanent placement</li> <li>panel cover has permanent cross-lines and AEC field markers for easy patient and tube positioning</li> <li>heavy-duty grid cabinet (103 LPI, 10:1 grid), other grids available</li> <li>optional removable grid</li> </ul>	✓	✓	✓
Ceiling mount <ul style="list-style-type: none"> <li>motorised or manual movements</li> <li>150 cm or 180 cm vertical travel</li> <li>extendable ceiling rails for all room sizes asnd floor plans</li> <li>convenient LCD touch screen, Optional on-screen generator controls</li> <li>optional wired or wireless remote controller</li> <li>full range of auto-tracking options</li> <li>optional constant-focus stitching mode</li> <li>spring balanced construction with electromagnetic locks</li> </ul>	✓	✓	✓
X-ray tube 150 kVp Optical focal spot: 0.6 and 1.2, anode speed: 2,850 rpm Anode angle: 12°, heat capacity: 300 KHU, focal spot: 0.6 / 1.2 mm Max. KVP: 150 kVp	✓	✓	✓
1 x wireless Csl X-ray detector 14" x 17"	✓	-	-
1 x wireless Csl X-ray detector 14" x 17" and 1 x 17" x 17" Csl X-ray detector fixed	-	✓	-
2 x wireless Csl X-ray detector 17" x 17"	-	-	✓
Operation by <b>dicomPACS® DX-R</b> acquisition station Mini PC with 23" touch screen monitor, 1920 x 1080 Pixel incl. the professional console software <b>dicomPACS® DX-R</b> with modern graphic user interface with generator control, integrated X-ray positioning guide and basic software modules: <ul style="list-style-type: none"> <li><b>dicomPACS® DX-R</b> DICOM Send SCU</li> <li><b>dicomPACS® DX-R</b> DICOM Patient CD</li> <li><b>dicomPACS® DX-R</b> Cognition Optimised Processing</li> </ul>	✓	✓	✓
<b>Optional components</b>			
<ul style="list-style-type: none"> <li>DAP meter (Dose Area Product meter)</li> <li>Upgrade from 50 KW to 65 KW or to 80 KW</li> <li>Patient mat for X-ray table, lateral holder for detector and much more</li> <li>Auto stitching</li> </ul>	✓	✓	✓

## Specifications subject to revision without notice

The editor strives to impart correct and up to date information. The provided specifications are based on current knowledge and are subject to revision without notice. This brochure is subject to correction. The editor assumes no responsibility for the information being up to date, correct and complete.

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# OR Technology

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