Siemens Artis Zeego Tech Specs (Technical Specifications)

Gantry

- Configuration: Floor mount, multiaxis
- Depth: 80 cm (31.5 in)
- Rao projection: 200
- Lao projection: 200 LAO (160 LAO); maximum angulations dependent on working position
- Rotation rate, deg/sec: Up to 25 C-arm sliding; up to 25 C-arm propeller; 60 rotational scan
- Cranial-to-caudal angulation: 45 degrees cranial - 65 degrees caudal
- Sid range: 92-120 cm (36.2-47.2 in)
- Park capability: Left side, right side, head side, and ceiling park positions are available
- Type: Biplane

X-Ray Tube

- Power rating: Power according to IEC (300 W preheating) 15 kW, 40 kW, 80 kW; nominal power (cold tube) 18 kW, 52 kW, 100 kW
- Heat storage capacity: 2,000,000 hu anode; 2,400,000 hu housing
- Heat dissipation rate: 405,000 hu/min anode; 239,000 hu/min housing
- Focal spot size: 0.3, 0.6, 1.0 mm
- Target angle: 12 degrees
- Cooling method: Direct closed-loop cooling system, oil/water
- Digital imaging system: Yes
- Clinical Applications: Angiography; Interventional Neurology; Cardiac Catheterization
- FDA Clearance: Yes
- CE Mark: Yes

Acquisition

- Radiographic: 103-100 ma
- Radiographic: 53-125 kv
- Radiographic timer, Switching time: 0.25-350 ms
- Fluoroscopic: 0.1-24 pulse fluoro, 170 mA peak (small focus) 60 mA (microfocus)
- Fluoroscopic: 53-125 kv
- Maximum Number of X-ray tubes: 4
- Pulsed fluoroscopy: 10, 15, 30 p/s (Standard); 0.5-7.5 f/s (Optional)
- Full in-room control: Fully integrated in the system control

Image storage

- 1024 x 1024 images: 25,000 (12-bit)
- Additional Storage: Optional upgrade to 100,000 (12-bit) images

Imaging Features

- 512 x 512  Digital pulsed fluoro with 10, 15, and 30 p/s (0.5-7.5 f/s with CAREvision option) in 1 k/12-bit matrix, digital radiography allows for individual and serial images in original matrix size, digital subtraction angiography in original matrix size; individual and series frame rates from 0.5-7.5 f/s native, including time-controlled and manually variable frame rates; digital real-time filtering for advanced noise reduction with motion detection, optional full format and zoom 1 + 2 in 2 k.
- 1024 x 1024  DR and DSA single shot, 0.5 to 7.5 fps; optional high-speed acquisition + 10, 15, and 30 fps
- Optional 2 k imaging 0.5 to 7.5 fps
- Optional Rotational Angiography
- Cone beam ct acquisition: Yes
- Ct image reconstruction: 8 sec abdominal acquisition protocol yields results in 512 k matrix in 30 sec; 20 sec neuro acquisition protocol yields results in 512 k matrix in 60 sec

Patient Table

- Movement: 4-way motorized movement, height-adjustable, optional longitudinal tilt (+/- 15)
- Length x Width: 228.6 x 45 cm (90 x 17.7 in)
- Vertical: 77-110 cm (30.3-43.3 in)
- Lateral: +/-17.5 cm (+/- 6.9 in)
- Longitudinal: 125 cm (49.2 in)
- Patient weight: 250 cm(551.3 in) for standard and stepping table options, 200 cm (441 in) for tilt and OR tables
- DICOM 3.0 Compliant: Yes
- X-RAY Generator Frequency: High-frequency 100 kW
- Power rating: 100 kW at 100 kV (DIN 6822)

Siting Requirements

- Minimum Room Size: 6 x 7.4 m (19.7 x 24.3 ft)
- Minimum Room Height: 3 m (9.7 ft)

Detector

- Generator: CsJ, aSi photodiodes
- Dimensions: 30 x 38 cm (11.8 x 15 in)
- PIXEL SIZE: 154 x 154 mm
- Bit depth: 14
- Max frame rate: Up to 60 fps
- Number of Monitors: Optional
- Monitor sizes: 19 inch DVI

**Exposure control**

- Last image hold: Yes
- Virtual collimation using lih: Optional
- Auto adjustable copper filtration: Yes
- Dose monitoring: Yes
- Supplementals: Various options available