



Wellmed Pro | Wellview Universal Group

TECHNICAL DATA SHEET

YSCT-32D X-ray Computed Tomography Equipment

Parameters

Part name

Model

Specifications

Scanning frame

SM100

Scanning frame aperture: 700mm±10mm

Scanning frame rotation speed: 0.75s, 1.0s, 1.5s, 2.0s

Scanning field of view: 430mm

Type of Slip ring: contact slip ring

High voltage generator

CT70PN32X5610

Tube voltage setting: 70~140kV

Tube current range: 10~300mA

Nominal output power: 32kW

Collimator

CMT-003

Half value layer: ≥4.6mmAl

Equivalent aluminum equivalent thickness: 2.3mmAl

X-ray tube sleeve

B-240H

Nominal tube voltage: 140kV

Nominal anode input power: 29kW/48kW

Maximum continuous heat dissipation of anode: 3.5kW

Focus size:

0.7mm × 0.8mm

1.2mm × 1.4mm

Anode rotation speed: 60Hz/180Hz

Diameter of anode target surface (mm): 140mm

Target angle: 7°

Anode type: rotating anode

Bearing type: mechanical bearing

Quantity (pcs): 1

Fly focus (x to z offset): none

The longest spiral scanning time: 100s

Anode heat capacity: 3.5MHU

X-ray tube

GS-30722

Detector

DET-003

Scintillation crystal material: GOS crystal

Pixel matrix: 704 × 16

Number of detectors: 11

Coverage (projected to the center of rotation): 430mm

Pixel size (projected to the center of rotation) 1.25mm × 1.25mm

Scanning angle: 0°/90°

Scanning field of view: 430mm

Axial scanning layer thickness: 1.25 mm ± 0.625 mm, 2.50 mm ± 1.0 mm, 5.00 mm ± 1.0 mm, 10.0 mm ± 1.0 mm;

Spiral scanning layer thickness: 1.25 mm ± 0.625 mm, 2.50 mm ± 1.0 mm, 3.75 mm ± 1.0 mm, 5.00 mm ± 1.0 mm, 7.50 mm ± 1.0 mm, 10.0 mm ± 1.0 mm;

Collimation combination: 16×1.25, 4×1.25;

Diagnostic bed

ZC300

Z-axis positioning accuracy (mm): ≤±1mm

Speed: 0~150mm/s

Vertical lifting range: ≥440mm

Maximum load: 205kg

Laser

M63AXSAXX-XX

Category: 2 types

Positioning accuracy: ±1mm

Wavelength: 600~700nm

Maximum output power: <1mW

Console

CZ100

KH100

Control box:

Exposure control

Bed motion control

Intercom function

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Computer

The minimum configuration requirements are as follows

CPU performance: the main frequency is not less than 2 GHz, the number of cores is not less than 2 cores

Memory size: no less than 8GB

Image storage capacity: no less than 850GB

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Monitor

The minimum configuration requirements are as follows

Screen resolution: 1920×1200 SXGA

Number of displays size: 1*24 inches

Type: LCD, color

Contrast ratio: 1000: 1

Preview

Computer image processing software

ScintVue

Release version: 1.0

The X-ray source assembly rotates 360°, and the maximum number of scan layers that can be obtained in a single axial scan is 32.

Maximum scanning range: 1200mm

Pitch coefficient: 0.25, 0.5, 0.75, 1, 1.25, 1.5, 1.75

Scan mode: positioning scan, tomographic scan, spiral scan, enhanced scan, perfusion scan

Software function

Patient file management

Patient registration

Scan function

reconstruction

2D image browsing and processing

3D image browsing and processing

Film printing

Data management function

Panama | Central America | Caribbean | CARICOM

Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.