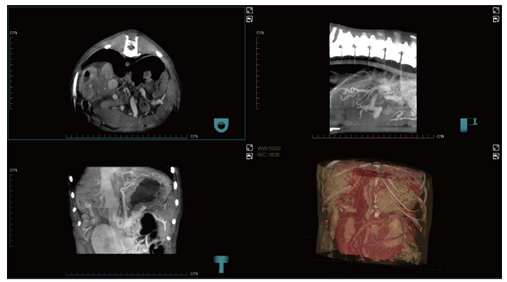
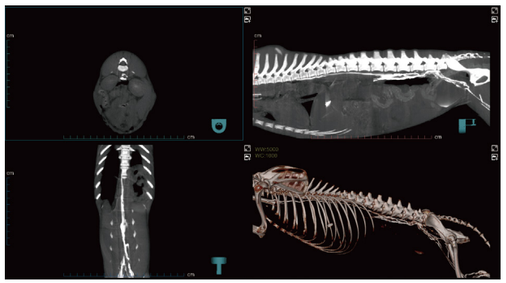
Clinical Cases

▶ Portosystemic Shunt

CT angiography revealed multiple tortuous vessels near the left kidney, esophageal varices, and signs of primary liver disease.



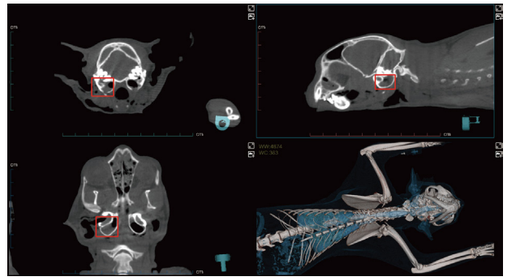


◀ Thoracic Duct Imaging

Used to evaluate congenital/acquired limb edema, chylothorax causes, surgical outcomes, and tumor-related sentinel lymph nodes.

▶ Tympanic Empyema

CT imaging showed purulent fluid accumulation in the tympanic cavity with surrounding inflammation, correlating with head-shaking and ear discharge.



Clinical Applications

Part	Case
Head&Neck	Cerebral Edema, Brain Hemorrhage, Sinusitis, Otitis, Mastoid Effusion, Nasopharyngeal Stenosis, Tracheal Narrowing, etc.
Dental	Periodontitis, Periapical Abscess, Alveolar Bone Atrophy, Oral Cyst, Tooth Root Resorption, etc.
Thoracic	Pulmonary Edema, Pulmonary Nodules, Interstitial Pneumonia, Pulmonary Inflammation, etc.
Abdomen	Abdominal Wall Inflammation, Peritoneal Fluid Accumulation, Urography, Renal Imaging, Gallstones, Pancreatitis, Kidney Hardening.
Vascular	Abdominal Three-Phase Angiography, Peripheral Artery Thrombosis, Vascular Stenosis, etc.
Spine	Spinal Canal Imaging, Spinal Protrusion, Vertebral Imaging, Spondylosis, Thoracic Spine Fracture, etc.
Tumors	Thyroid Tumors, Nasal Tumors, Ovarian Tumors, Renal Tumors, Adrenal Tumors, etc.
Others	Arthritis, Thoracic Duct Imaging, Peritoneal Calcification, etc.

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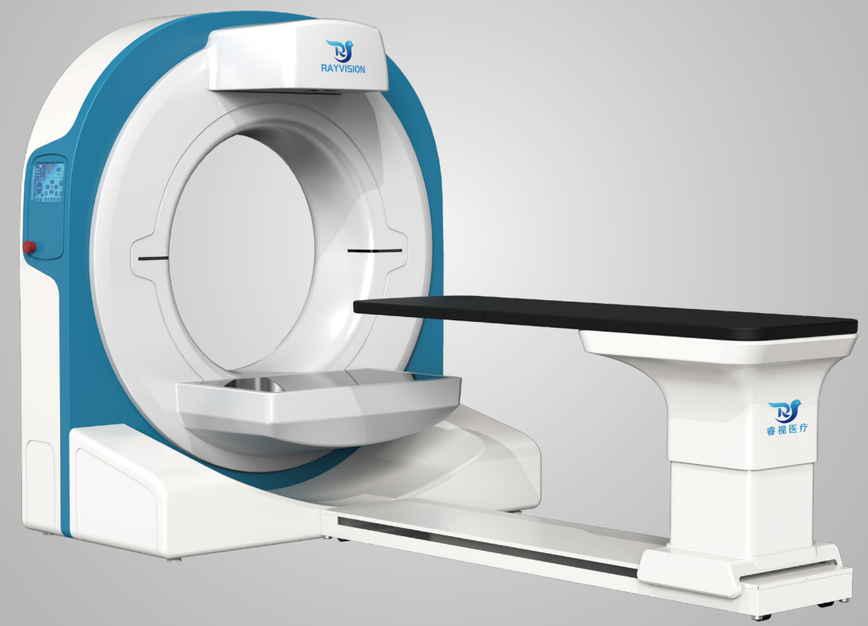
RAYVISION
Inspired by a sincere dedication to animal care

Vetease 3

Veterinary Cone Beam Computed Tomography System

Smart Redefines the Infinite



Vetease 3

Experience-Triggered Triple-Phase Contrast Capture Platform

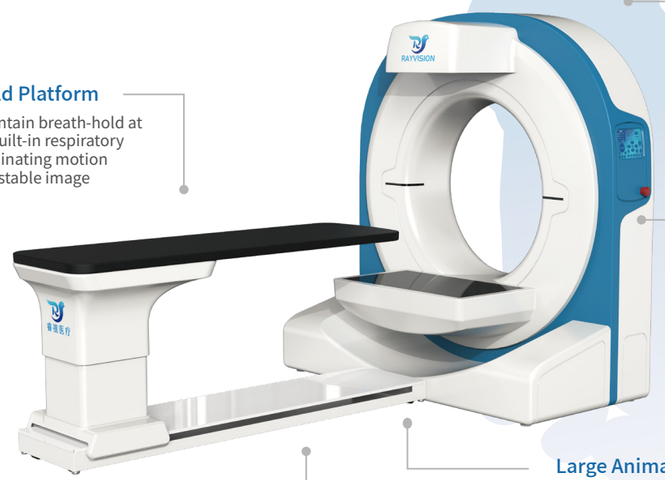
One-click automatic triple-phase contrast imaging, real-time observation with precise targeting, flexibly adapting to complex cases

Soft Tissue Imaging Mode

Optimized algorithms for clear visualization of soft tissue details, aiding precise lesion localization

CT-AIR Breath-Hold Platform

Guides animals to maintain breath-hold at end-inspiration via a built-in respiratory device, effectively eliminating motion artifacts and ensuring stable image acquisition



Full-Scene Region-Specific Mode

Meets basic imaging needs for soft tissue, head, thorax, and abdomen, delivering clear image quality for routine clinical diagnosis

Standardized Image Viewing and Reporting System

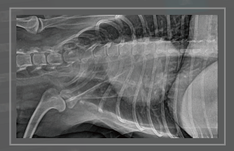
Delivers standardized reports with intelligent generation, covering routine examinations and minimizing human errors

Large Animal Imaging Mode

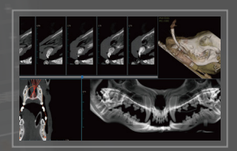
Specifically designed for large animal body sizes, also supports triple-phase contrast imaging

4-in-1

Edge Enhancement;Multi-algo-rithms;Tools: TPLO/VHS/TTA

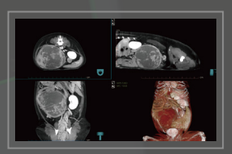


One Scan for Full Arch & Jaw



CT | **DR** | **FL** | **Panoramic**

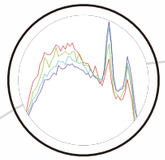
4.5s Ultra-Fast Scan/0.2mm Ultra-Thin Slice Thickness/72cm×42cm FOV/ CT-AIR Breathing Hold



Real-Time Dynamic Enhancement 1-Minute Continuous Exposure Precise Lesion Detection

Spectral Correction Technology

Multi-energy spectral optimization eliminates beam hardening artifacts, enhancing tissue contrast for precise differentiation of chemically distinct tissues.

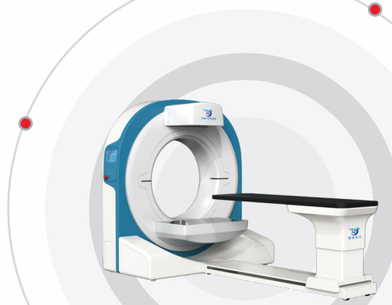


Smart MAR Artifact Correction

Intelligently suppresses metal artifacts and restores tissue details for clearer orthopedic and postoperative imaging, enabling confident diagnoses.

Multi-Dimensional Dental Platform

Full-tooth panoramic for detailed evaluation in oral disease, orthodontics, and surgery

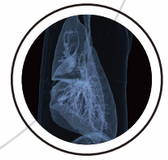


Smart Dose Management

Optimized scan settings reduce radiation exposure while preserving image quality

Smart Imaging Enhancement Algorithm Suite

Precision imaging, protecting every life;Advanced CT image processing,safeguarding animal health

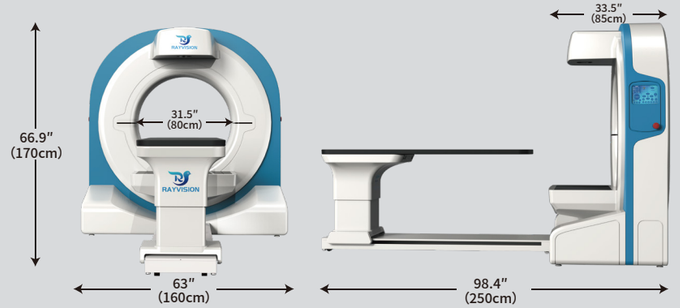


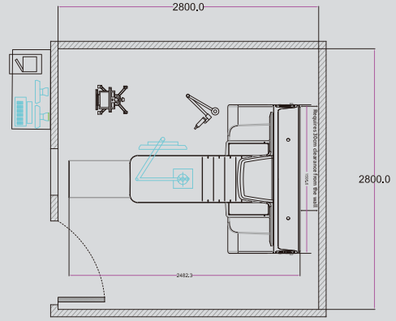
Vivid 3D Rendering

Enhanced realism with light/material simulation — intuitive visualization of internal structures

Ultra-HD Density Projection

Enhances visualization of vessels and tumors via high-contrast projection techniques





Optimal Usage Scenarios (mm)

Specifications

Gantry	Structure	Ring-shaped
	Aperture	31.5″(80cm)
	Nominal Power	15kW
	Input Power	(220±22) VAC
	Tube Heat Capacity	150kJ
	Maximum Tube Voltage	120kV
	Tube Power	15kW
Scan Parameters	Reconstruction Slices	1000
	Minimum Slice Thickness	0.2mm
	Minimum Pixel Size	0.14mm
	Detector Matrix	3072x3072
	CT Scan Time	4.5s
	Max.FOV (L×W)	28.3″×16.5″ (72cm×42cm)

Technical Requirements

Requirements	Specifications
Voltage	(220+22)VAC
Power Resistance	⩽0.5Ω
Frequency	50Hz/60HZ
Power Capacity	⩾15kVA
Power Cable	6mm²
Lead Shielding	3mm lead equivalent
Temperature	10°C-35°C
Humidity	30%-75%RH(Non-Condensing)
Air Pressure	700-1060hPa