SONTU
Medical Imaging

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SONTU
Medical Imaging

Veterinary Digital Radiography System

TUTOM100E-32S

Shenzhen SONTU Medical Imaging Equipment Co., Ltd

MISSION

Advancing the quality of care with constant innovations. Empowering the global medical system with high-quality imaging.

VISION

To be the leading brand in the industry.

VALUES

Dedicated for the satisfaction of our clients and employees.

ABOUT US

“TUTOM” is a veterinary brand built by SONTU, focusing on the innovation of animal imaging technology and advocating “concern for the radiation safety of veterinarians and pets”.

Founded in 2009 and headquartered in Shenzhen, Shenzhen ONTU Medical Imaging Equipment Co., Ltd. (“SONTU”) is a global manufacturer specializing in medical imaging equipment and a pioneer in independent development of digital X-ray detectors and digital X-ray imaging systems in China. By sticking to an innovation-driven development strategy, SONTU has achieved independent and controllable core technologies of digital X-ray image chain and system technologies. Today, it is one of the few manufacturers in the world that master mature technologies related to various core components of X-ray machines and system development. Many SONTU technologies are China’s first and at the forefront of the industry worldwide.

SONTU has a range of products covering general radiology, dental imaging, vehicle-mounted imaging, and veterinary imaging, with their design and manufacturing in strict compliance with ISO13485 Medical Device-Quality Management System Requirements for Regulatory. More than 20 products have been designated as national excellent medical equipment. SONTU has been a top three supplier of static digital radiography systems in China for many years, and its products have been well accepted in the international markets, including North America, South America, Africa, Asia and Europe.

>8000

Users across the globe

>100

Intellectual property right certificates

>60

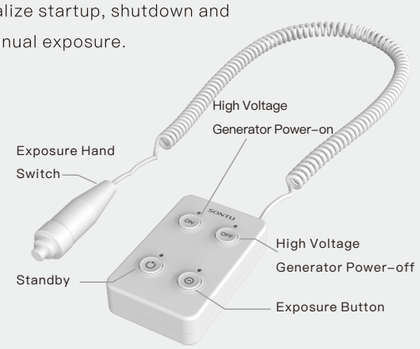
Countries / Regions covered

>3

R&D Centers

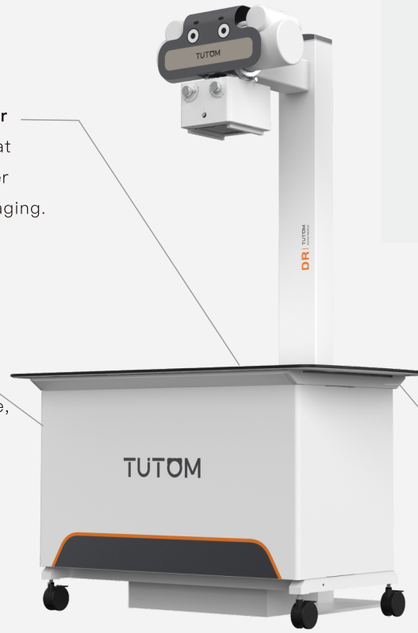
TUTOM100E-32S

Integrated Console (Standard)
The easy-to-use console can realize startup, shutdown and manual exposure.



Large-size Flat Panel Detector
Self-developed 17 × 17 inch flat panel detector, covering a wider shooting range for superior imaging.

Built-in Design of Energy-storage High Voltage Generator
Supports single-phase input voltage, and saves floor space.



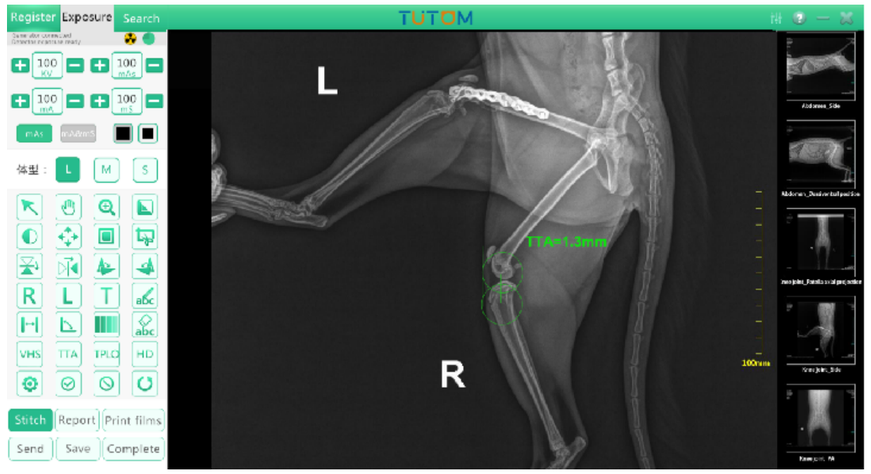
Split Design of Rack and Table; Space Saving and Easy to Install
Adopts split design of rack and table, facilitating easy movements and saving space.

Exposure Control Foot Switch (standard)

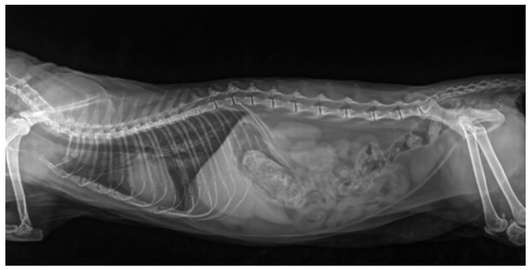
TUTOM

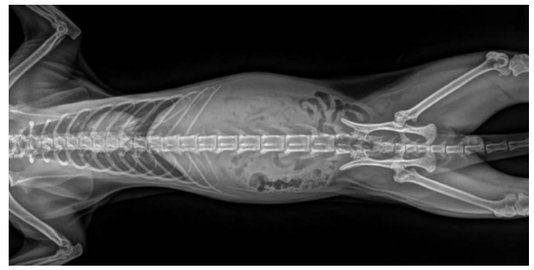
The TUTOM veterinary digital radiography (DR) device is a product that caters to the clinical application needs of veterinarians and integrates multiple patented technologies.
With its novel shape, adorable appearance, excellent image chain configuration and minimal operation process design, this product can provide you with high-quality images and an efficient and intelligent operation experience.

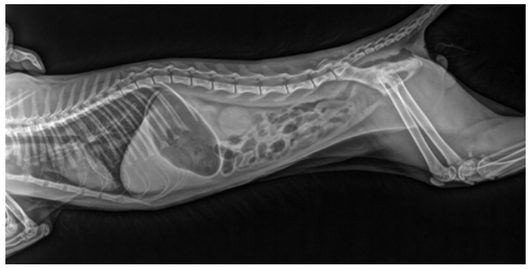
Superior Image Acquisition and Processing System

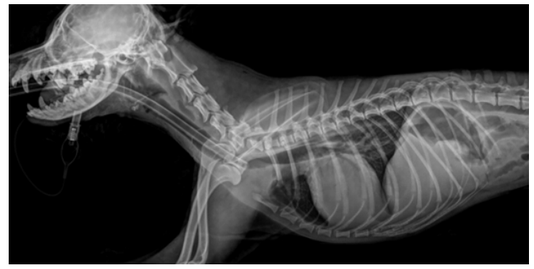


TUTOM Veterinary Workstation is an image acquisition and processing system designed and developed by SONTU. With animal body characteristics and structural differences considered, it ensures the best image acquisition at the lowest exposure dose and has obtained the computer software copyright from the NCAC. Easy-to-use interface, smooth and intelligent operation process, support emergency quick exposure and DICOM image export and data retrieval.









Advanced Clinical Application Functions

Panoramic stitching

Panoramic stitching technology breaks through the limitation of the panel size, and allows for stitching of multiple images with one click, meeting the needs of full–length radiographic.

VHS – vertebral heart size measurement function

The VHS measurement function, by measuring the animal's heart and thus monitoring the range of heart enlargement/decrease, provides specific data for veterinarians to determine the size of the heart and aids in the diagnosis of common heart diseases such as dilated heart disease, mitral valve endocarditis and heart failure.

TTA – tibial trochanteric advancement measurement function

The TTA measurement function provides data reference for the treatment of anterior cruciate ligament (ACL) rupture in the knee joint of animals by measuring the size between the femur and tibia.

TPLO – tibial plateau leveling osteotomy measurement function

The TPLO measurement function is used to measure the tibial plateau angle or tibial obliquity in animals, providing data reference for the treatment of knee related conditions due to ACL rupture.

HD – hip dysplasia measurement function

The HD measurement function is used to measure and analyze the position of the hip joint in relation to the femoral head in animals for assessing the severity of inflammation and joint laxity.

Technical Specifications

X– ray Generator

Power source condition	Single phase
Output power	32kW
Tube voltage	40~125kV
Tube current	10mA~400mA
Loading time	1~6300ms
Current time product	0.1~80mAs
Nominal output power	32kW(100kV,320mA,0.1s)

X–ray Tube

Maximum X–ray Tube Voltage	125kV
Nominal focal spot value	Small Focus 1.0mm /Large Focus 2.0mm
Rotation speed	2700rpm@50Hz/3200rpm@60Hz
Target anode angle	16°
Anode Heat Content	100 kJ (140 kHU)

Flat Panel Detector

Scintillator	CsI
Image Sensor	a–Si(Amorphous Silicon) TFT
Active area size	17”×17”
Active area pixel	3072×3072
Pixel size	140 μm
Spatial resolution	3 .4 Lp/mm
A/D Conversion	16bits
Dimentions(Length*Width*Thickness)	462*462*16mm
Imaging time	5s
Ingress protection	IPX4

Table and Tabletop

SID	1050mm ± 5%
Tabletop dimensions	1200*650mm
Maximum height	730mm
Table movement range	Free movement with universal caster
Weight Capacity	60kg