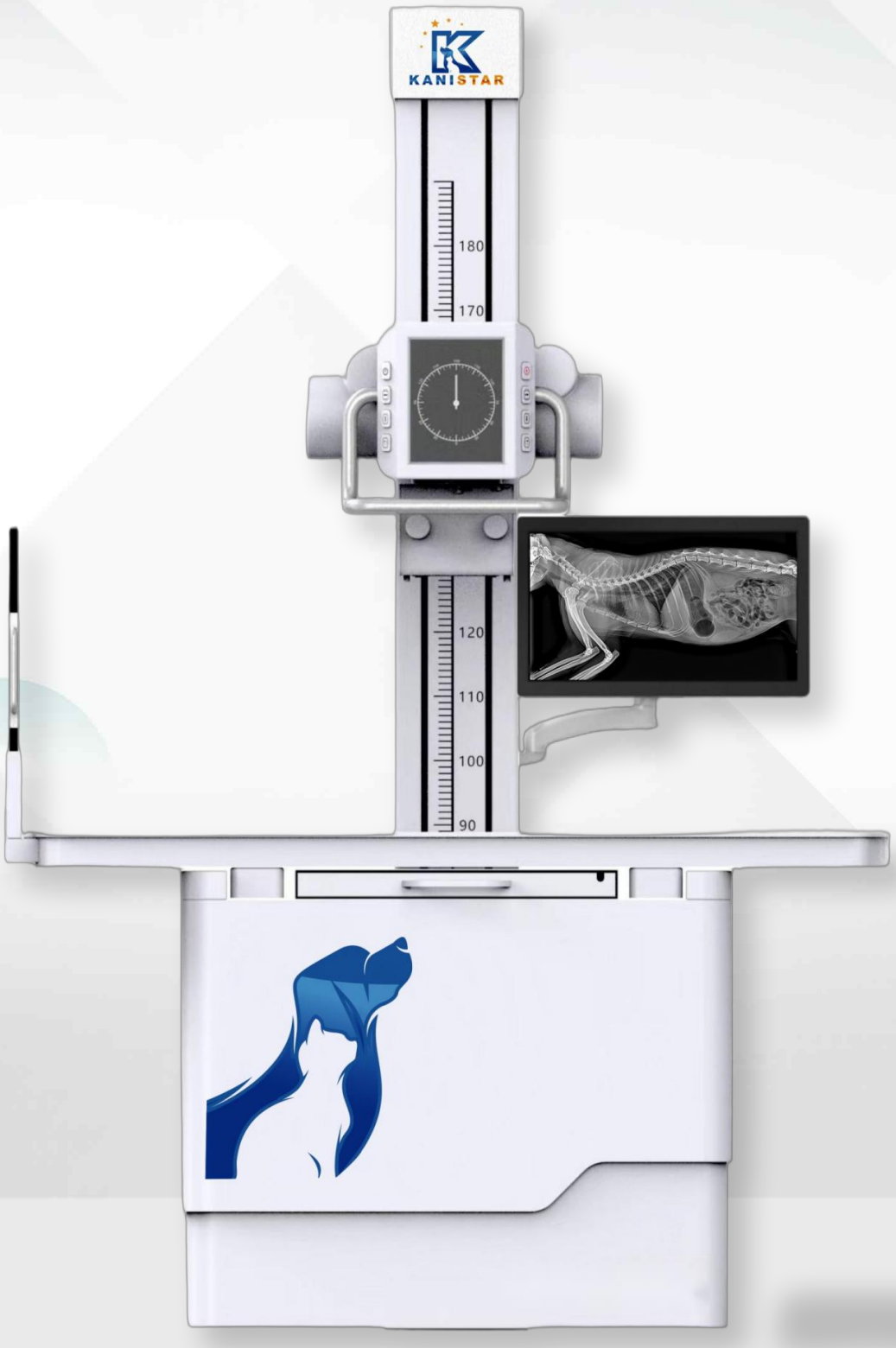
Kanistar V5

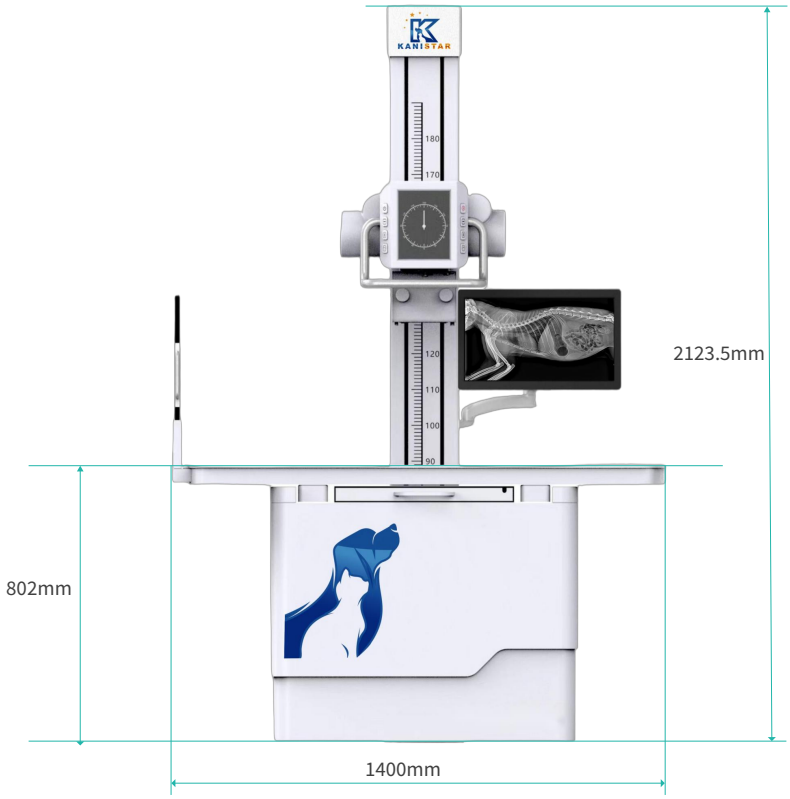
Professional Dynamic DR

Product introduction



01 Professional Design

Designed with a four-direction floating table for optimal flexibility.
Table height of 80.2cm ensures comfortable working position for veterinarians, reducing operator fatigue.
Table surface dimensions upgraded to 1400mm/(1600mm)/x720mm—ideal for imaging large pets with ease.



02 High-Quality X-Ray Tube

· Equipped with imported, high-quality Canon (Toshiba) X-ray tubes.
· Durable and stable output for consistent imaging quality.
· Dual focal points (0.6/1.2 mm) ensure sharp and detailed images.
· High heat capacity of 150KHU supports continuous imaging capabilities.

150KHU Large heat capacity, powerful continuous shooting function

03 High-Definition Flat Panel Detector

· Equipped with the industry-leading iRay 17x17 CsI (Cesium Iodide) iodide amorphous silicon large-size dynamic flat panel detector for superior performance

· Features a pixel size of 139 μm, a pixel matrix of 3072x3072, and 16-bit A/D conversion for unmatched image clarity

· Minimizes radiation exposure while delivering precise and detailed imaging to safeguard pet health

04 32kW High-Frequency High-Voltage Generator

· Operates on standard 220V/110V power supply—no need for circuit modifications.

· Built-in self-diagnostic function for stable performance and extended lifespan.

· Maximum tube voltage of 125KV and current of 400mA accommodate imaging needs for pets of all sizes.

05 Pro D Technical characteristics

The ability of dynamic DR to emerge as the dominant trend in the current development of the industry is closely related to its irreplaceable role in clinical applications. It primarily encompasses a variety of functions, including radiographic imaging, fluoroscopy, contrast imaging, gastrointestinal examinations, and orthopedic positioning. The multi-functionality of a single device enhances diagnostic efficiency, minimizes the occurrence of missed diagnoses and misdiagnoses, shortens surgical time, reduces the risks associated with anesthesia, and ensures safer usage.

06 Technical Advantages of Model SL Dynamic Digital Radiography (DR)

Wider Range of Application

· Static DR has limitations, while dynamic DR enables visualized surgeries and can avoid misdiagnosis caused by overlapping in positioning. It effectively prevents the need to repeatedly take multiple pictures.

Advantages in Positioning and Imaging

· Static DR has high requirements for positioning and fixation. When animals are in static shooting, if the positioning or breathing cooperation is not good, image artifacts will be caused. However, dynamic DR exposes images when animals are in a moving state, allowing us to observe the normal breathing undulations, heartbeats, and intestinal peristalsis of animals, without being restricted by movement and breathing.

Lower Radiation

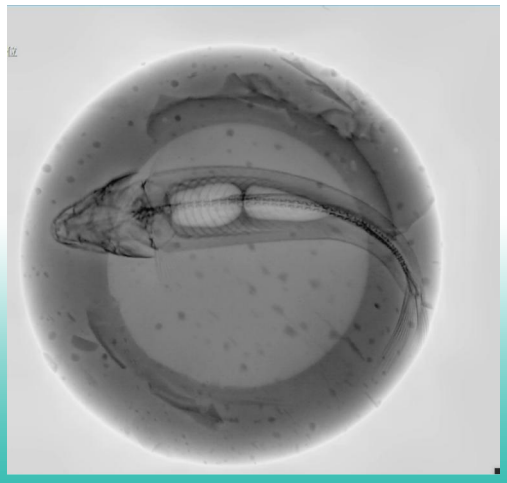
· Static DR uses fixed conditions of 100 - 300 milliamperes (mA), while dynamic DR only uses 6 - 40 mA. Therefore, the radiation amount of a 7 - 10-second dynamic shooting is equivalent to that of a static image, which is healthier for animals.

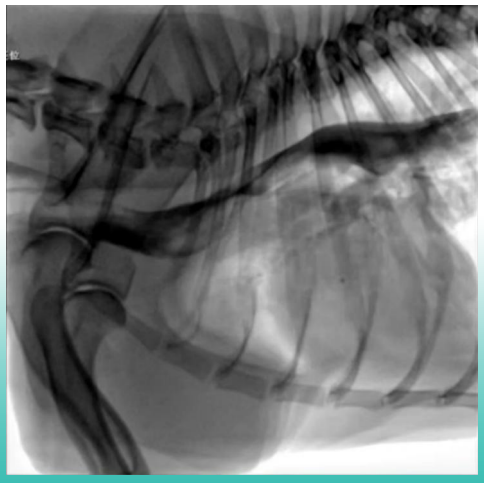
Development Trend

· With the rapid development of medical care, the dynamic DR, which is fast, accurate, efficient, and intelligent, will be the new direction of pet medical care.

07 The clinical significance of Pro D

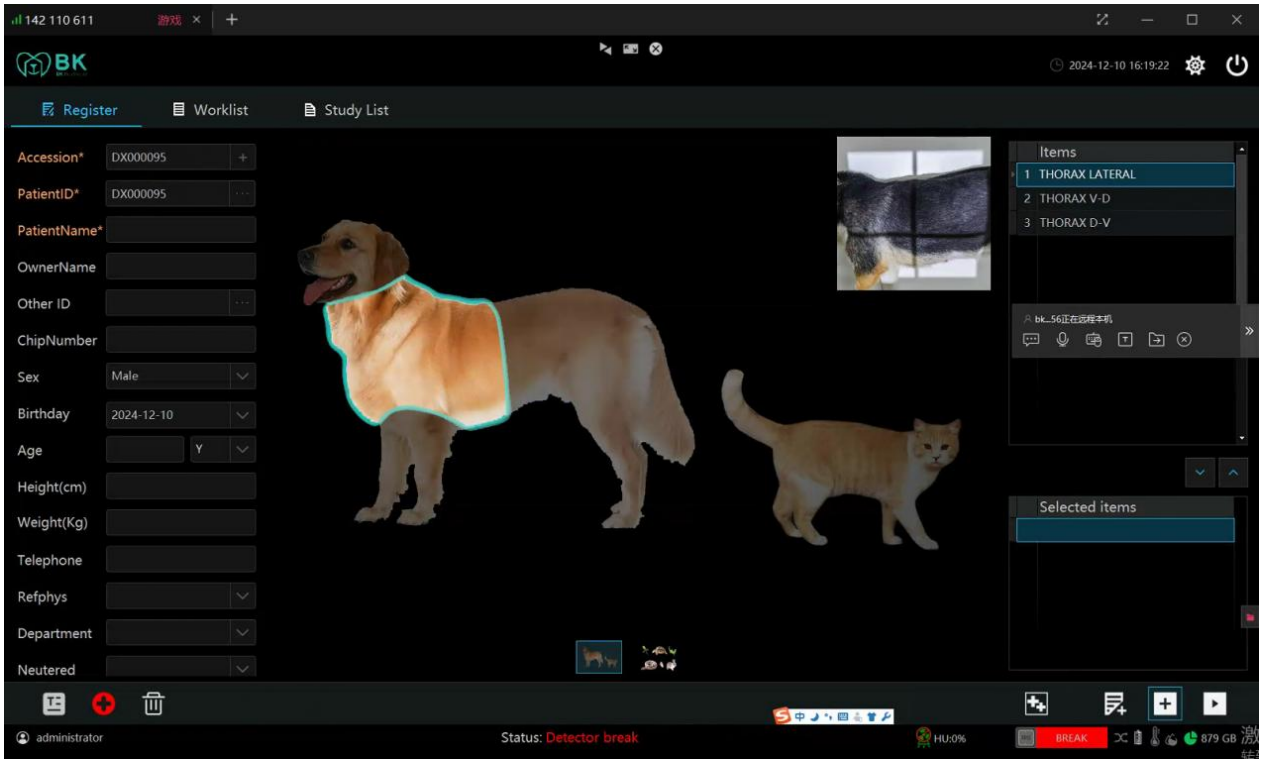
1.**It satisfies all the functions of static DR**: high - resolution static images, advanced measurement functions, etc.;
2.**Head and neck**: It can directly observe the state of the esophagus in contrast imaging, whether there is stenosis or dilation, etc.;
3.**Chest**: It can observe the heartbeats and the size and shape of the heart contour in real - time, and also observe the contraction and expansion of the lungs during respiration in real - time, quickly screen for emergencies, and avoid motion artifacts and tissue obstructions caused by heartbeats and respiratory movements;
4.**Abdomen**: It can observe the peristalsis and emptying of the stomach and intestines in real - time, quickly screen for foreign bodies, etc.;
5.Contrast imaging of the urinary system, etc.;
6.**Limbs**: It can observe orthopedic reduction, nail - fixing positioning, etc. from multiple angles in real - time, avoiding multiple static shootings and positioning;
7.Quick multi - angle screening for pregnant and stressed animals;
8.Real - time and quick examinations for various exotic pets, effectively solving the difficulty of positioning exotic pets.

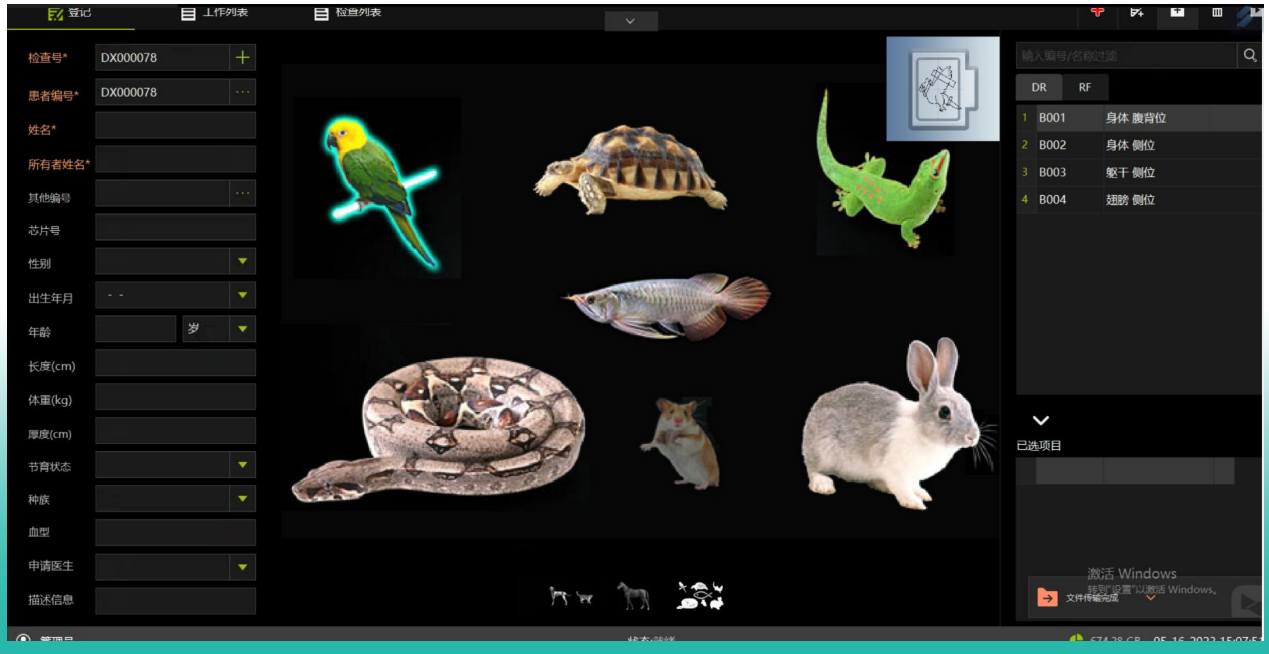




08 Newly Upgraded Special Dynamic Acquisition Software for Animals

It is a dynamic intelligent software specially developed for animal medical imaging, which enables seamless switching between static and dynamic modes, features faster calculation, more scientific settings, more detailed classifications and smarter operations.



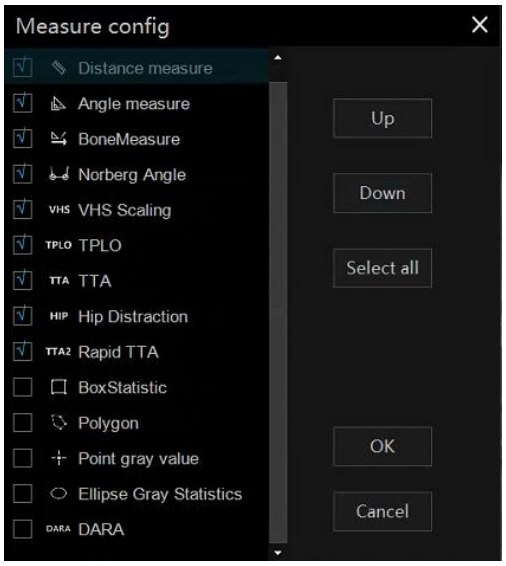


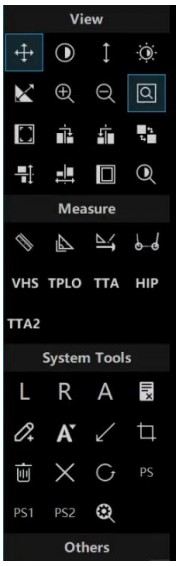
Static Low Radiation, Intelligent Condition Zoning, and Support for Continuous Shooting

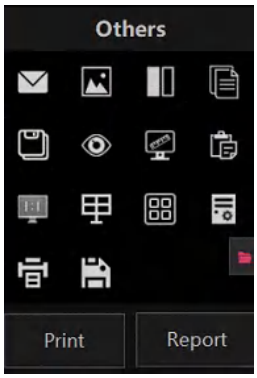
Advanced Tools for More Convenient Usage

1.Optimization of Condition Settings to Achieve Low Radiation and High-Quality Imaging: This resolves the complexity associated with the selection of shooting conditions, enabling simple and rapid selection, streamlining the operation process, and making the equipment usage more conducive to health and the environment. Through precise parameter adjustments, while ensuring the clarity and diagnostic value of the images, the radiation dose is significantly reduced, minimizing the potential harm to operators and examined animals, thus meeting the stringent requirements of modern medical care regarding radiation safety.

2.Continuous Shooting Technology without the Need for Re-selecting Positions: After the initial exposure, for the second exposure at the same position, simply keep pressing the exposure switch, which greatly saves operation time and improves examination efficiency. This is particularly applicable to examination scenarios that require dynamic observation or the capture of subtle changes, such as observing the minute changes during the physiological processes of animals like respiratory movements, heartbeats, and gastrointestinal peristalsis, ensuring that no critical image information is missed, and providing more comprehensive data support for accurate diagnosis.







Pro D High-Definition Dynamic Real-Time Imaging

Real-time display of high-frame-rate and large-size dynamic images.

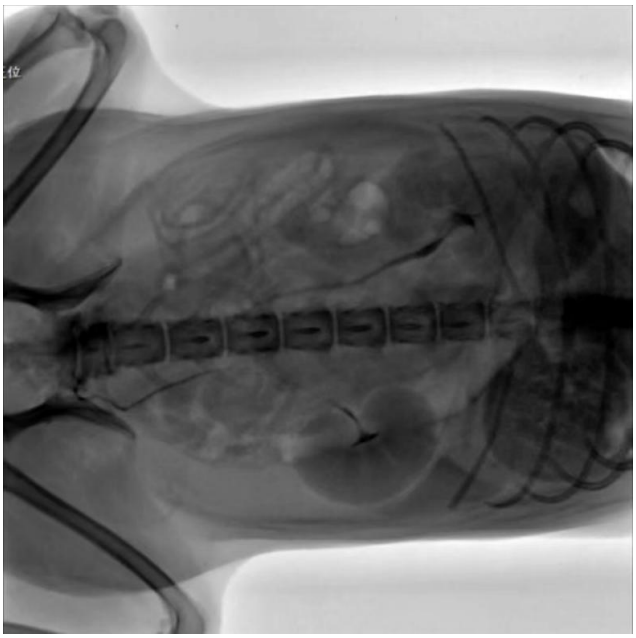
Real-time Fluoroscopy: It can accurately locate the lesion area under the condition of respiratory movement, and the dynamic images are smooth without any lag.

Dynamic Observation: It can prevent misdiagnosis and missed diagnosis caused by overlapping of tissues.

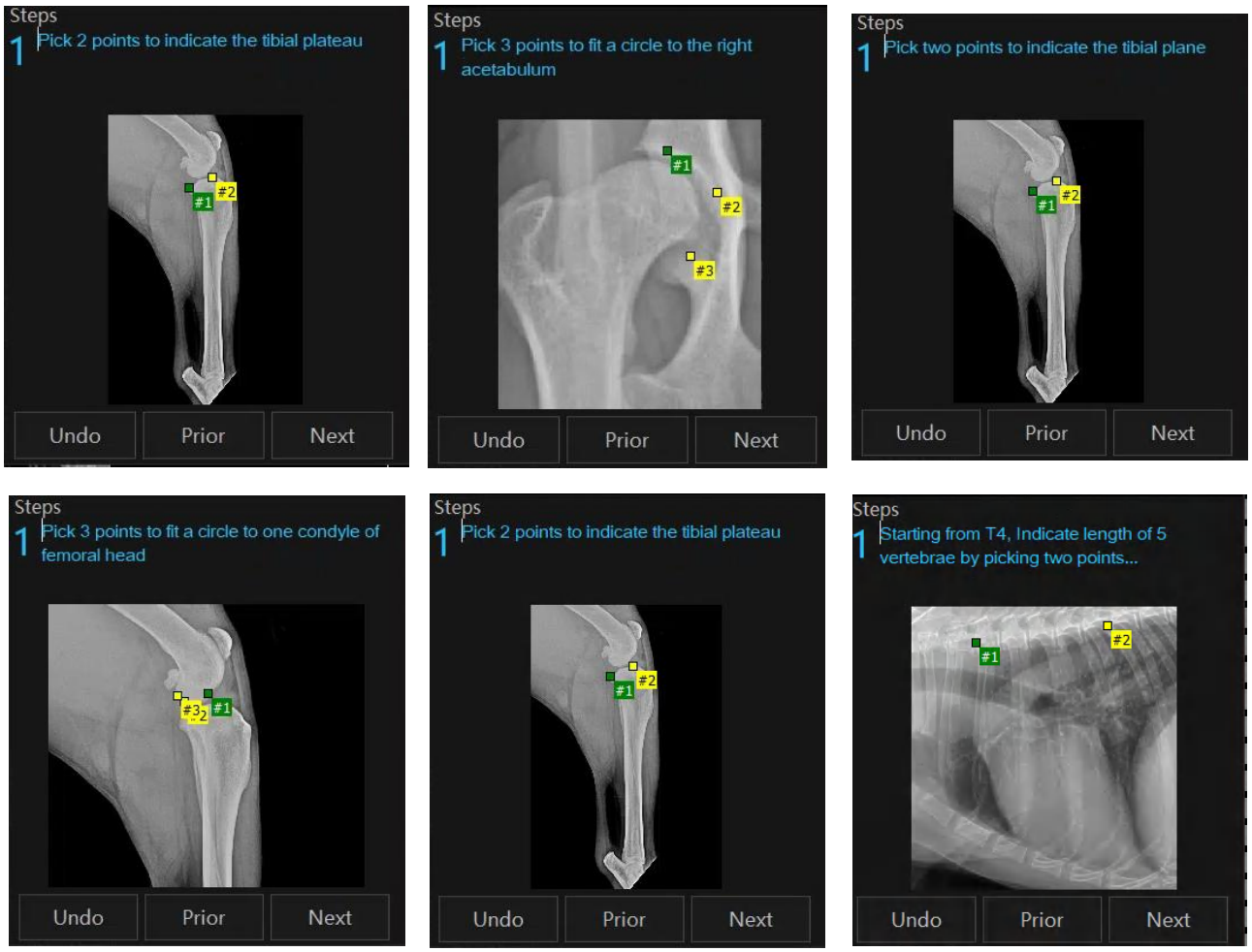
Large - sized Dynamic Flat - panel for DR: One-time imaging for large areas.

Dynamic Playback and High-Definition Spot Imaging: With a pixel size of 139μm, no suspicious lesions will be missed.

ABS Intelligent Control of Exposure Conditions: The fluoroscopy dose is precise, the radiation is lower, and it is safer to use.



Advanced Preoperative Assessment & Quantification Intelligent Operation Guide Map



Some advanced preoperative planning tables

HID	NHA	VHS	TPLO	TTA	TPA	TTA2	DARA	CBLO
Hip Distraction Index	Hip joint horizontal angle	Vertebral Heart Scale	Tibial Plateau Leveling Osteotomy	Tibial Tuberosity Advancement	Tibial Plateau Angle	Rapid TTA	dorsal acetabulum rim angle	Tibial Plateau Rotational Leveling Osteotomy

The photography of exotic pets is carried out with greater convenience and higher clarity

1.The adjustable elevating head and bed frame streamline the operation. The fixed apparatus secures a safer bed frame manipulation, minimizing potential risks and ensuring a stable working environment.

2.The elevating head precisely regulates the Source-to-Image Distance (SID), enabling the attainment of high-quality images of small animals like exotic pets.

3.This control is pivotal for optimizing image sharpness, contrast, and diagnostic value. The head rotates multi-angularly for shooting. For animals of various body types, the floating bed plate and elevating side plate move freely in four directions, facilitating exotic pet photography and allowing operators to quickly adapt. The operation is brief, simple, and user-friendly.