

iVision-630

Medium & Large Animals

Stable Structure. Crystal-Clear Imaging.

Purpose-built for medium and large animal imaging — rock-solid structure, easy operation and sharp image quality. Ideal for clinical radiography of horses, cattle, camels and a wide range of livestock, giving veterinarians more reliable imaging support and greater confidence in diagnosis and treatment.



Stable & Reliable

Rugged structural design adapted to medium and large animal builds for steadier imaging.



High-Definition Imaging

High-resolution image output with crisp detail supports accurate diagnosis.



Versatile Applications

Suitable for horses, cattle, camels, sheep and many other medium-to-large animals.



50 kW

High power output



40-150 kVp

Wide exposure range



10-1000 mA

Wide dynamic range



High resolution

Sharper detail



Medium & large animals

Horses, cattle, camels & more



Key Advantages & Applications

iVision-630 is built for large animal imaging, pairing a stable hardware platform with intelligent software for a more efficient, more precise veterinary imaging solution.



50 kW Generator Platform

Powerful high-voltage output with stronger penetration easily handles complex views of large-bodied animals.



300 kHU X-ray Tube

Large heat storage capacity for stable, durable operation under continuous heavy workloads.



Dual-Column Structure

Dual-column support design keeps the system stable for smoother, safer operation.



Imported Imaging Chain

High-sensitivity detector plus high-performance image processing delivers clear, finely detailed images.



IP54 Detector Protection

Dust- and splash-proof design withstands damp, dusty environments for long-term reliability.



Front View

Side View

Detector View

Applications



Livestock Farms

Routine health checks, disease screening and tracking.



Large Animal Hospitals

Clinical diagnosis, pre-op assessment and post-op review.



Research & Teaching

Anatomical studies, imaging education and case analysis.



On-Site Screening

Portable and efficient for diverse field-care needs.



Ranch Rounds

Mobile deployment extends care efficiency and coverage.

Core Structure & Imaging Chain

iVision-630 combines a high-rigidity dual-column structure with a high-performance imaging chain, providing a stable hardware foundation and sharp results for large animal X-ray imaging.



Dual-Column Structure

- High-rigidity column frame
- Stable running, low vibration
- Multi-axis adjustment
- Adapts to varied study needs



High-Power Platform

- High-power HV generator
- Stable output, strong penetration
- Continuous / pulsed exposure
- Meets large animal imaging needs



Detector Positioning

- Motorized vertical travel
- Multi-angle tilt adjustment
- Fast, flexible positioning
- Ensures field of view & quality



Animal Imaging Solution

- Designed for animals of all sizes
- Wide-field whole-body coverage
- High-resolution detail
- Supports research & clinics

X-ray Generator

- High-power output
- Adjustable power
- Stable and reliable
- Strong penetration



Flat Panel Detector

- Large-format flat panel
- High quantum efficiency
- Low noise, high sensitivity
- Rich image detail



Dual-Column Support

- High-rigidity columns
- Smooth operation
- Bend / vibration resistant
- Safe and dependable



Motorized Lift & Tilt

- Motorized detector travel
- Multi-angle tilt adjustment
- Precise positioning
- Quick, flexible operation



--- Imaging Chain Workflow

HV Generator

Stable high-voltage output

X-ray Emission

Penetrates animal tissue

Detector Capture

X-rays become digital signals

Image Transfer

High-speed data transfer

Display & Processing

On the PC workstation



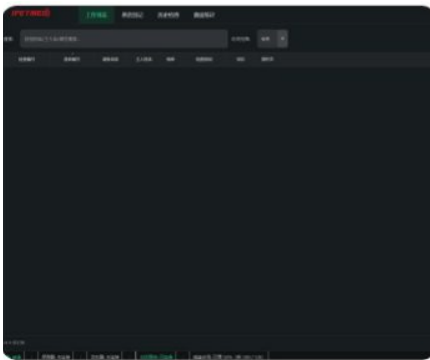
From X-ray generation to image display, the entire chain is co-optimized for clear, stable, efficient imaging that meets demanding research and clinical standards.

Smart Imaging Workstation

From acquisition to reporting — efficiency at every step

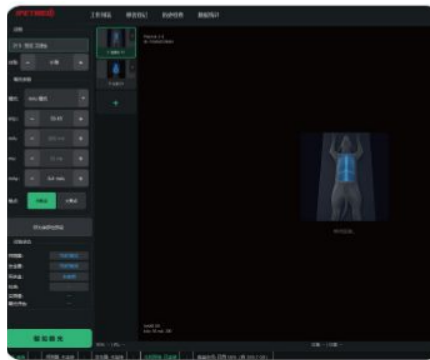
An all-in-one imaging solution that covers the entire workflow: simpler operation, faster diagnosis, smarter image management and more efficient veterinary care.

1 Worklist



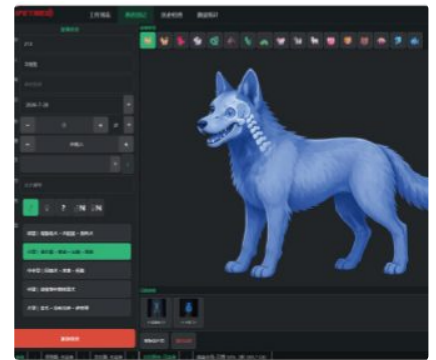
Clearly shows pending, in-progress and completed studies, with multi-filter search, batch operations and quick navigation — the whole workflow at a glance.

2 View & Acquisition



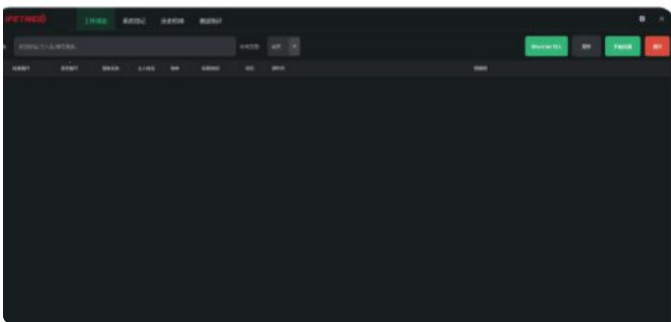
Rich acquisition parameters and professional imaging tools support multi-view capture with real-time preview and stable, sharp images for precise diagnosis.

3 Patient Registration



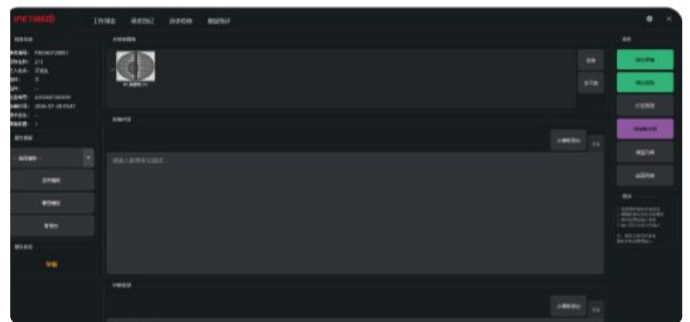
Quickly register pets and owners, with multiple species, body types and templates — standardized data and faster registration.

4 Study History



Complete records of past studies with image review, comparison and export, for easier follow-up and data management.

5 AI Report Draft



AI-assisted image analysis generates draft reports; the veterinarian reviews, edits and signs off.



Full-Workflow Coverage

Seamless from acquisition to report



Fast & Easy

Simplified operation, higher efficiency



Standardized & Secure

Standardized, reliable data



Cloud Storage

Access images anytime, anywhere



AI Assistance

Smart analysis, precise & efficient

PENGINEAI Software Workflow

Desktop application · image acquisition, management & AI assistance



Modular management of clinic-wide operations

Multi-module coordination
Centralized data storage
Standardized workflows
Permission & role control



One-stop business & data overview

Quick access to key functions
Real-time business metrics
Clear view of pending tasks
Revenue trends & orders



Smart tasks & clinical assistance

Auto task creation & tracking
Smart record / image analysis
Advice & knowledge Q&A
Better efficiency for vets



Draft reports with veterinarian review

Multi-dimensional history
AI diagnostic suggestions
Medication & Rx reference
Safe clinical decisions



Technical Specifications

iVision-630 medium & large animal imaging system for livestock

Item	Specification
HV Generator	
Constant potential kW rating	50 kW
kVp range	40-150 kVp
mAs range	0.4-1000 mAs
mA range	10 mA-1000 mA
Exposure time	1 ms-10000 ms
X-ray Tube	
Operating voltage	40-150 kV
Focal spots (large / small)	(1.0 / 0.6 mm)
Target angle	12°
Anode heat capacity	210 kJ (300 kHU)
Anode input power	Large / small focus (65 kW / 28 kW)
Flat Panel Detector	
Sensor type	Amorphous silicon
Effective image area	43 x 43 cm (17 x 17 in)
Pixel matrix	3072 × 3072
Pixel pitch	139 μm
A/D conversion	16 bit
Data interface	GigE
Adapter input	AC 100-240 V, 50-60 Hz
Spatial resolution	3.6 lp/mm
Dimensions	46.0 x 46.0 x 1.5 cm
Wall Stand	
Vertical travel	1500 mm
Grid focal distance	180 cm
Grid density	103 L/inch
Grid ratio	10 : 1
Radiographic Stand	
Tube rotation angle	±180°
Vertical travel along column	1300 mm
Column longitudinal travel	2500 mm
Scintillator material	Cesium iodide (CsI)



Tube Head



Flat Panel Detector



50 kW
Max output power



300 kHU
Max anode heat capacity



Dual Columns
Stable, flexible, efficient



IP54 Protection
Dust / splash proof, durable

----- Applicable Animals -----



Cattle



Sheep



Horse



Deer

Meets the imaging needs of many more medium and large animals.