

# iVision-1000

## Large Animal Ceiling-Rail Imaging System

**Flagship for Large Animals · 800 kg-Class Penetration**

iVision-1000 is IPETMED's high-end digital imaging solution built for large-animal diagnostics — for adult cattle, breeding livestock, horses and other large-animal veterinary scenarios. With powerful penetration and stable imaging performance, it delivers precise whole-body positioning and high-power radiography, making clinical diagnosis faster and more reliable.



### 80 kW HV Platform

Powerful output, outstanding penetration



### 40–150 kVp

Wide voltage range for diverse exams



### 10–1000 mA

Wide current output, precise control



### Imported Imaging Chain

Premium components, clear reliable images



### Whole-Body Coverage

Ceiling rail, flexible positioning, full coverage



For adult cattle, breeding livestock, horses & more



Solid, safe structure  
Smooth, stable operation



Precise positioning for  
diverse clinical needs

## Key Advantages & Applications

Stronger penetration, higher efficiency and greater flexibility for large-animal imaging diagnostics



### 80 kW HV Platform

Powerful output with outstanding penetration — handles thick-bodied large animals with ease.



### 800 kg-Class Penetration

High-energy X-rays clearly reveal bones and deep structures for reliable diagnosis.



### Cattle / Livestock / Horses

Designed for large animals of different sizes and needs, stable across many scenarios.



### Whole-Body Coverage

Head & neck, thorax & abdomen, limbs and spine — full imaging assessment.



### Ceiling Rail, Flexible Motion

Rail travel plus sliding carriage move the tube in 3D for fast, precise alignment.



### Imported Imaging Chain

Premium components deliver fine grain and rich gradation, stable in long-term use.



Routine X-ray exams, emergency diagnosis, pre-op assessment and post-op review.



Breeding-livestock health checks, pregnancy screening and skeletal development assessment.



Sports-injury evaluation, lameness exams and osteoarticular imaging diagnosis.



Imaging of fractures, joint disease and spinal problems, with rehab follow-up.



For adult cattle, breeding livestock, horses & more



Solid, safe structure  
Smooth, stable operation



Precise positioning for  
diverse clinical needs

## Core Structure & Imaging Chain

Modular design — stable, precise, efficient and reliable imaging

### Ceiling-Rail Crossbeam

Transverse rail runs smoothly, keeping tube and detector moving in sync

### Detector Position

High-sensitivity flat panel — clear images, fast response

### Control / Imaging Chain

Integrated control and acquisition link — stable transfer, real-time imaging

### Dual-Column Support

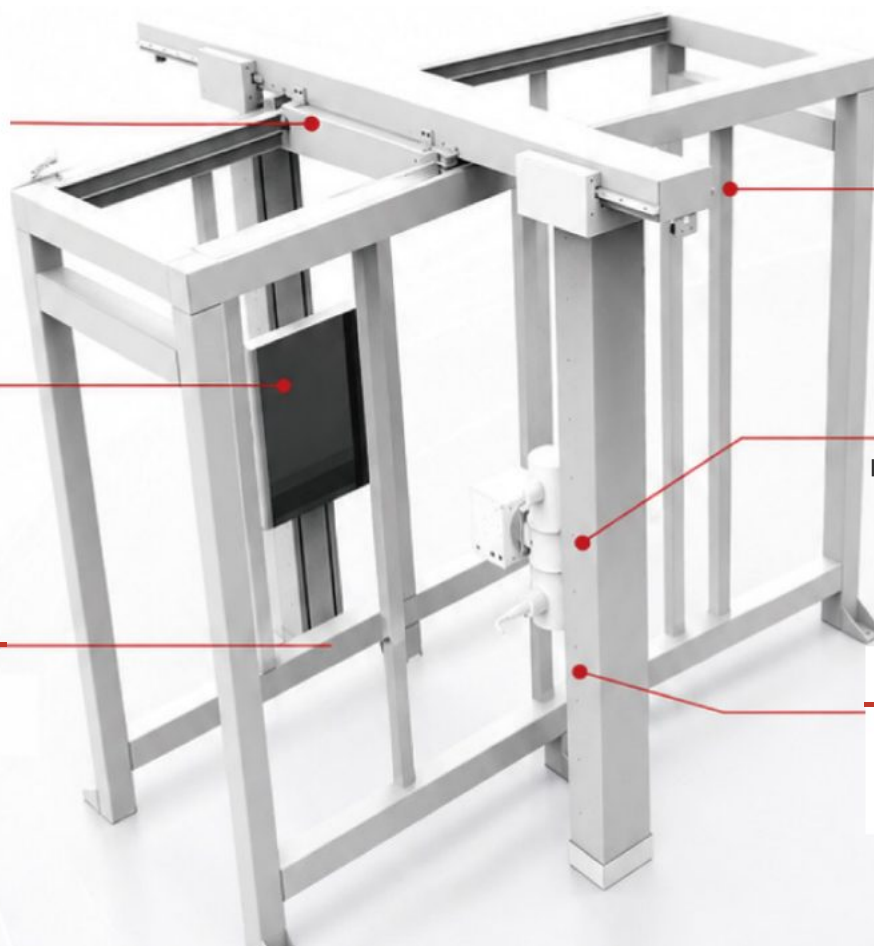
High-strength dual columns ensure overall stability and load capacity

### High-Efficiency X-ray Tube

Delivers stable X-ray output

### HV Platform

Integrated HV generator — powerful output, superior penetration



#### Stable Frame Structure

Reinforced frame with dual columns adapts to large-animal size and weight for reliable operation.



#### Precise Positioning System

Smooth-running crossbeam keeps tube and detector highly aligned in complex exams.



#### Imported Imaging Chain

Premium detector and tube combination yields clear, detail-rich images for confident diagnosis.



#### Efficient Workflow

Modular workflow shortens preparation and imaging time, boosting overall efficiency.



#### Service-Friendly Design

Well-arranged modular parts simplify maintenance, cut downtime and extend service life.

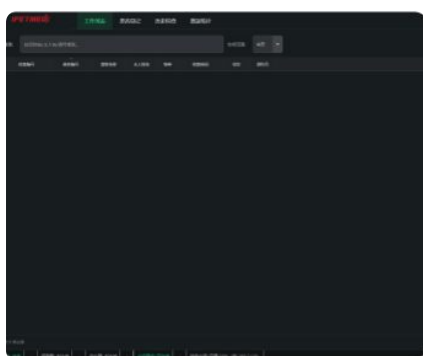


# Intelligent Imaging Workstation

From acquisition to report — efficiency at every step

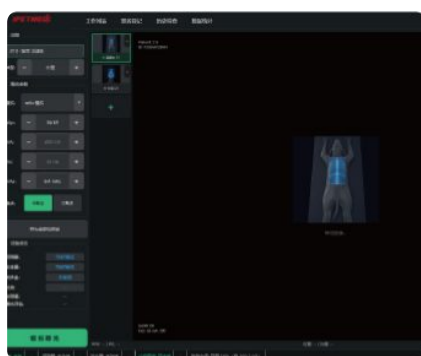
An all-in-one imaging solution covering the entire workflow — simpler operation, faster diagnosis, smarter image management and more efficient veterinary care.

## 1 Worklist



Pending, in-progress and completed exams at a glance, with multi-criteria filtering, batch operations and quick navigation for an efficient workflow.

## 2 Viewing / Acquisition



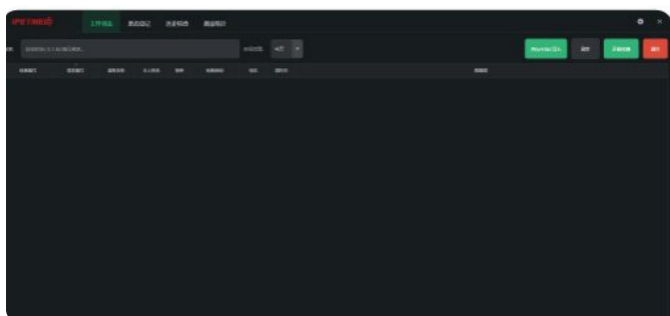
Rich acquisition parameters and professional imaging tools, with multi-view acquisition and real-time preview — clear, stable images for precise diagnosis.

## 3 Patient Registration



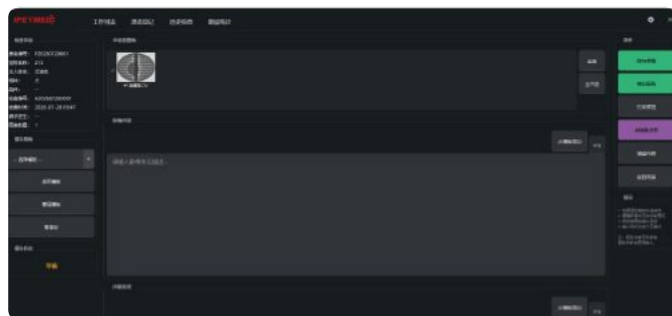
Quickly register animals and owners, with multiple species, positioning and template options — standardized data, faster registration.

## 4 Exam History



Complete exam-history records with image viewing, comparison and export — easy traceability, follow-up and data management.

## 5 AI Report Drafts



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



### Full Coverage

Seamless from acquisition to report



### Fast & Easy

Simplified operation, higher efficiency



### Secure Data

Standardized, safe and reliable



### Cloud Storage

Access images anytime, anywhere



### AI Assistance

Intelligent analysis, precise and fast

# pengineAI Software Workflow

Desktop application · Image acquisition, management & AI assistance



## Modular clinic-wide management

Multi-module collaboration  
Centralized data storage  
Standardized workflows  
Role & permission control



## One-stop business & data overview

Quick access to key services  
Real-time business metrics  
Clear to-do task lists  
Revenue trends & orders



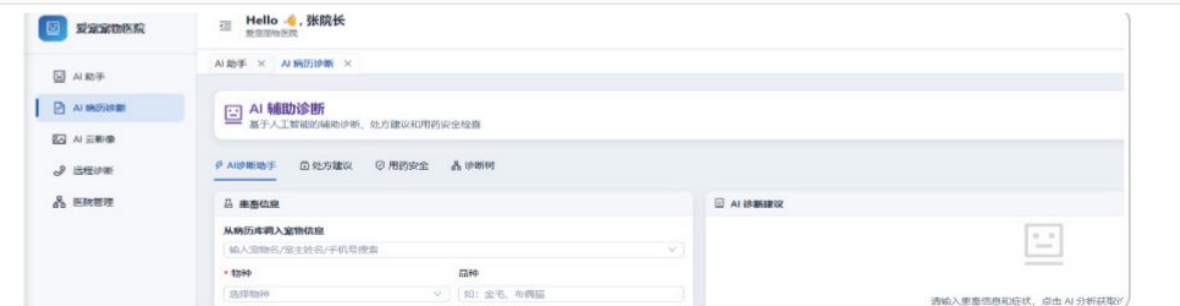
## Smart tasks & clinical assistance

Auto task generation & tracking  
Record & image analysis  
Treatment advice & Q&A  
Better efficiency for vets



## AI report drafts, vet-reviewed

Multi-dimensional history taking  
AI analysis & diagnostic advice  
Medication safety reference  
Safe clinical decisions



# Technical Specs & Standard Configuration

## iVision-1000 Large Animal Ceiling-Rail Imaging System

**Flagship for Large Animals**  
**800 kg-Class Penetration**



| ITEM                          | SPECIFICATION                 |
|-------------------------------|-------------------------------|
| <b>High-Voltage Generator</b> |                               |
| Power                         | 80 kW                         |
| Inverter frequency            | 300 kHz                       |
| Radiographic tube voltage     | 40–150 kV                     |
| Radiographic tube current     | 10–1000 mA                    |
| Exposure time                 | 1–10,000 ms                   |
| Exposure mAs                  | 0.4–1000 mAs                  |
| <b>X-ray Tube</b>             |                               |
| Focal spots                   | 1.0 (large) / 0.6 (small)     |
| Anode input power             | 65 kW (large) / 28 kW (small) |
| Assembly heat capacity        | 900 kJ (1250 kHU)             |
| Anode heat capacity           | 210 kJ (300 kHU)              |
| Operating voltage             | 40–150 kV                     |
| <b>Flat Panel Detector</b>    |                               |
| Sensor type                   | Amorphous silicon             |
| Active image area             | 43×43 cm (17×17 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                    | 46.0×46.0×1.5 cm              |
| <b>Bucky Stand</b>            |                               |
| Vertical travel               | 1500 mm                       |
| Grid focal distance           | 180 cm                        |
| Grid density                  | 103 L/inch                    |
| Grid ratio                    | 10:1                          |
| <b>Radiographic Gantry</b>    |                               |
| Tube rotation angle           | ±180°                         |
| Vertical travel along column  | 1300 mm                       |
| Longitudinal column travel    | 2500 mm                       |
| Scintillator material         | Cesium iodide (CsI)           |