

# TEN YEARS IN THE MAKING

iPet AI-DR

## iPet-400AI standard

### Intelligent Veterinary DR Imaging System

#### A stable, reliable imaging platform for veterinary hospitals

Designed for daily high-frequency X-ray examinations in veterinary hospitals. Built around a mature hardware platform and a PC-based veterinary imaging workstation, it covers registration, acquisition, processing, measurement, reporting and case archiving — supporting efficient diagnosis and structured practice management.



#### 32 kW High-Frequency Generator

Stable output, sharp imaging



#### Canon E7239X X-ray Tube

Rotating anode, dependable performance



#### iLume 4343 Flat Panel

43×43 cm, wired transmission



#### PC Imaging Workstation

Acquisition · Processing · Analysis



#### AI-Assisted Report Drafts

Intelligent recognition, diagnostic support



#### Reliable

Premium core components  
Stable, durable operation



#### Efficient Workflow

Integrated imaging process  
Faster diagnosis



#### Sharp Imaging

High-resolution images  
Fine detail visible



#### Case Management

Case archiving &  
management  
Secure, traceable data



#### Professional Service

Comprehensive after-sales  
support  
With you all the way



# Core Advantages

iPet-400AI makes imaging more stable, more intelligent and more efficient



## Reliable by Design

32 kW high-frequency generator platform paired with the Canon E7239X tube — built for stable, everyday high-frequency use.



## iLume Imaging Chain

iLume 4343 flat panel + high-frequency generator. 43×43 cm large field of view with clearly visible detail.



## Hardware-Software Synergy

Quick parameter presets by body size; unified acquisition, processing and storage workflow for faster examinations.



## Intelligent Software Ecosystem

AI-assisted report drafts; unified case and image management; reports signed off after veterinarian review.



## Ideal for Hospitals & New Clinics

Compact footprint and clear installation planning; integrated hardware and software reduce maintenance costs.



**32 kW**

High-frequency generator



**140 kHU**

Large heat capacity



**iLume 4343**

10-megapixel flat panel



**HD Imaging**

Fine detail visible



**Software Ecosystem**

Smart, efficient management

# Core Components & Imaging Chain

iPet-400AI pairs high-performance core components with an optimized imaging chain, delivering a stable, sharp and reliable digital imaging system.

## 01 X-ray Tube



Canon E7239X rotating-anode tube:  
stable output, sharp and reliable imaging.

## 02 HV Generator



32 kW high-frequency platform providing  
stable power to the tube.

## 03 Flat Panel Detector



iLume 4343 high-resolution panel, 43x43  
cm.

## 04 Imaging Workstation



Integrated acquisition, processing,  
measurement and archiving.



### X-ray Tube

Generates X-rays



### HV Generator

Provides stable high voltage



### Flat Panel Detector

Receives & converts the image



### Imaging Workstation

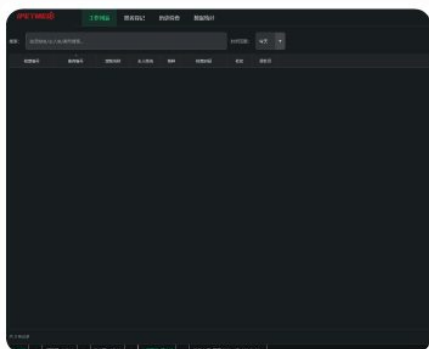
Processing, display & storage

## Intelligent Imaging Workstation

From acquisition to report — efficiency at every step

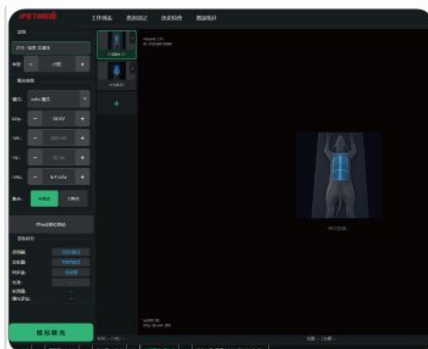
An integrated imaging solution covering the entire workflow: simplified operation, faster diagnosis, smarter image management and more efficient veterinary care.

### 1 Worklist



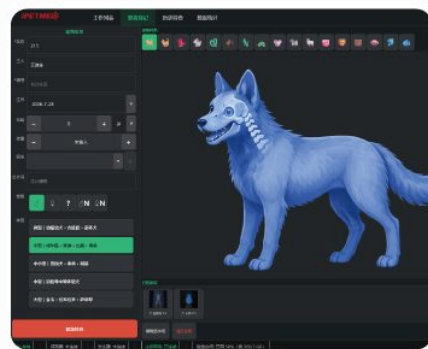
DICOM worklist imports exam orders from your practice software in one click, clearly showing pending, in-progress and completed studies. Multi-criteria filtering, batch operations and quick navigation keep the workflow organized and efficient.

### 2 Review & Acquisition



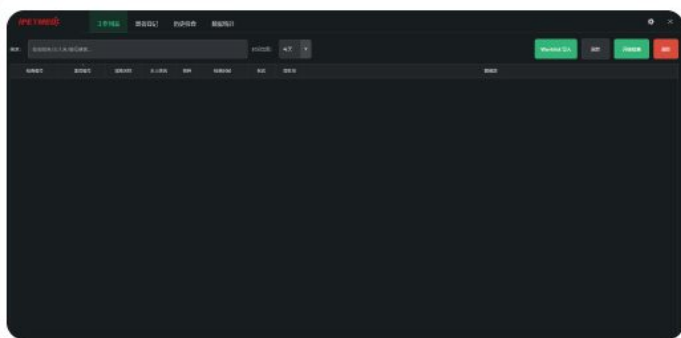
Rich acquisition parameters and professional imaging tools. Multi-position acquisition with real-time preview delivers clear, stable images for precise diagnosis.

### 3 Patient Registration



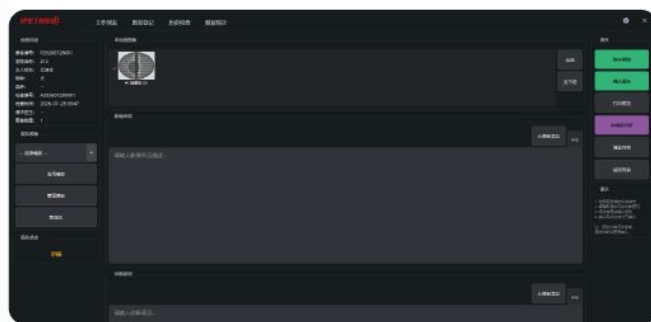
Quickly register pets and owners, with support for multiple species, body sizes and templates — standardized data and faster registration.

### 4 Exam History



A complete record of past examinations with image review, comparison and export — easy tracing, follow-up and data management.

### 5 AI Report Drafts



AI analyzes the images and generates a draft report; the veterinarian reviews, edits and signs off.



#### Full Workflow

Seamless from acquisition to report



#### Fast & Easy

Simplified operation, higher efficiency



#### Standardized & Secure

Standardized, dependable data



#### Cloud Storage

Access images anywhere, anytime



#### AI Assistance

Intelligent analysis, precise and efficient



# pengineAI Software Workflow

Desktop application · Image acquisition, management & AI assistance



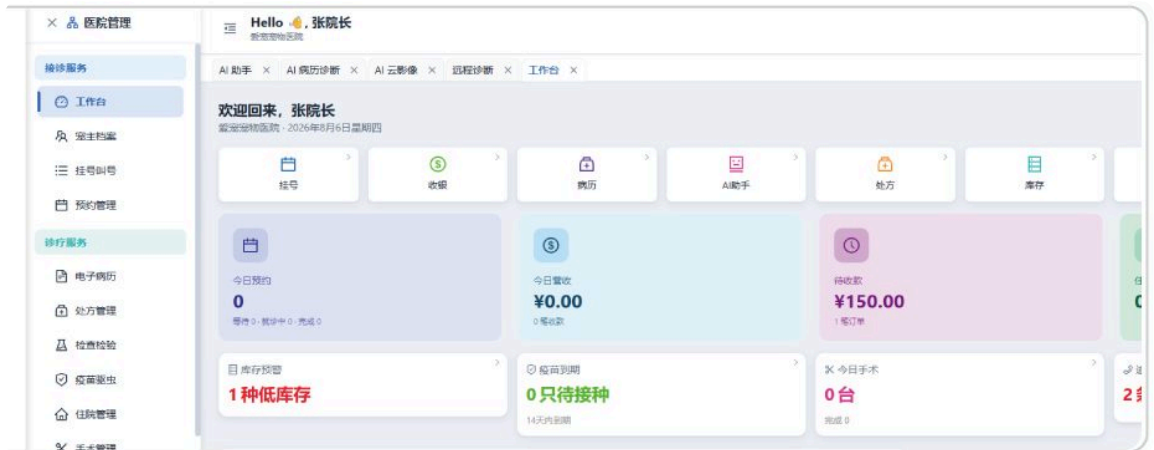
## Modular management of the whole practice

Multi-module coordination  
Centralized data storage  
Standardized workflows  
Roles & permissions



## One-stop business & data overview

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



## Smart tasks & clinical assistance

Automatic task generation  
Smart record & image analysis  
Suggestions & knowledge  
Q&A  
Higher efficiency for vets



## Report drafts & vet review

AI diagnostic suggestions  
Medication & prescription safety  
Safe clinical decisions



# Technical Specifications

iPet-400AI delivers stable, reliable, high-quality imaging for a wide range of veterinary clinical examinations.



| Item                            | Specification                                                     |
|---------------------------------|-------------------------------------------------------------------|
| <b>HV Generator</b>             |                                                                   |
| mA range                        | 10 – 400 mA                                                       |
| Max output power                | 32 kW                                                             |
| kV range                        | 40 – 125 kV $\pm(1\% + 1 \text{ kV})$                             |
| mAs range                       | 0.1 – 125 mAs                                                     |
| Exposure time                   | 1 – 10 000 ms                                                     |
| <b>X-ray Tube</b>               |                                                                   |
| Focal spots (rotating anode)    | Large 2.0 mm / Small 1.0 mm                                       |
| Heat capacity                   | 140 kHU                                                           |
| Anode input power               | Small focus 21 kW / Large focus 42.5 kW                           |
| <b>Flat Panel Detector</b>      |                                                                   |
| Scintillator                    | Cesium iodide (CsI)                                               |
| Active image area               | 43×43 cm (17×17 in)                                               |
| Pixel matrix                    | 3072×3072                                                         |
| Pixel pitch                     | 139 $\mu\text{m}$                                                 |
| 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                                                  |
| Ingress protection              | IP54                                                              |
| <b>Imaging Software</b>         |                                                                   |
| Software platform               | VetXR intelligent imaging workstation (Windows)                   |
| Image processing                | Enhancement, window level/width, measurement & annotation, DICOM  |
| AI assistance                   | Report draft generation, veterinarian review & sign-off           |
| Storage / transfer              | Local storage & image management, DICOM support                   |
| <b>Application</b>              |                                                                   |
| Intended use                    | Routine and specialty exams of dogs, cats and other small animals |
| <b>Power Requirements</b>       |                                                                   |
| Input power                     | 220 VAC $\pm 10\%$ , 50/60 Hz, >10 A                              |
| <b>Installation Environment</b> |                                                                   |
| Ambient temperature             | 10 °C – 35 °C                                                     |
| Relative humidity               | 30% – 75% (non-condensing)                                        |
| Atmospheric pressure            | 70 kPa – 106 kPa                                                  |
| Installation space              | $\geq 2 \times 2$ m recommended, ceiling height $\geq 2.6$ m      |