

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

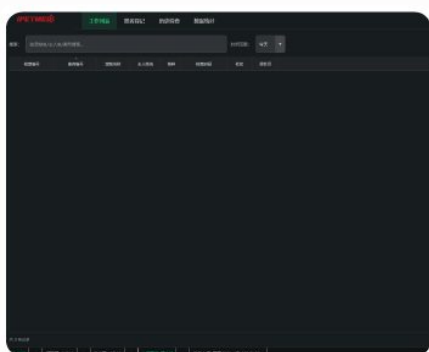
Processing, display & storage

Intelligent Imaging Workstation

From acquisition to report — efficiency at every step

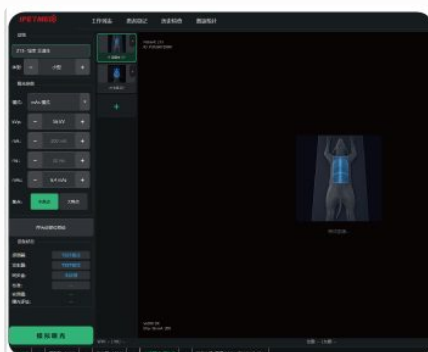
An integrated imaging solution covering the entire workflow: simplified operation, faster diagnosis, smarter image management and more efficient veterinary care.

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



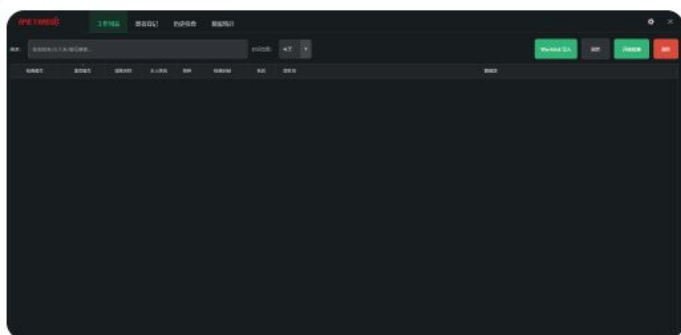
Rich acquisition parameters and professional imaging tools. Multi-position acquisition with real-time preview delivers clear, stable images for precise diagnosis.

3 Patient Registration



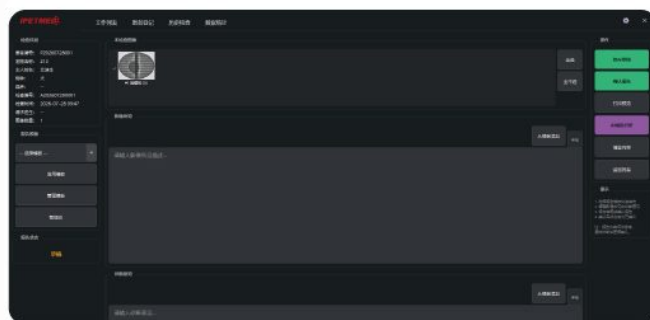
Quickly register pets and owners, with support for multiple species, body sizes and templates — standardized data and faster registration.

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



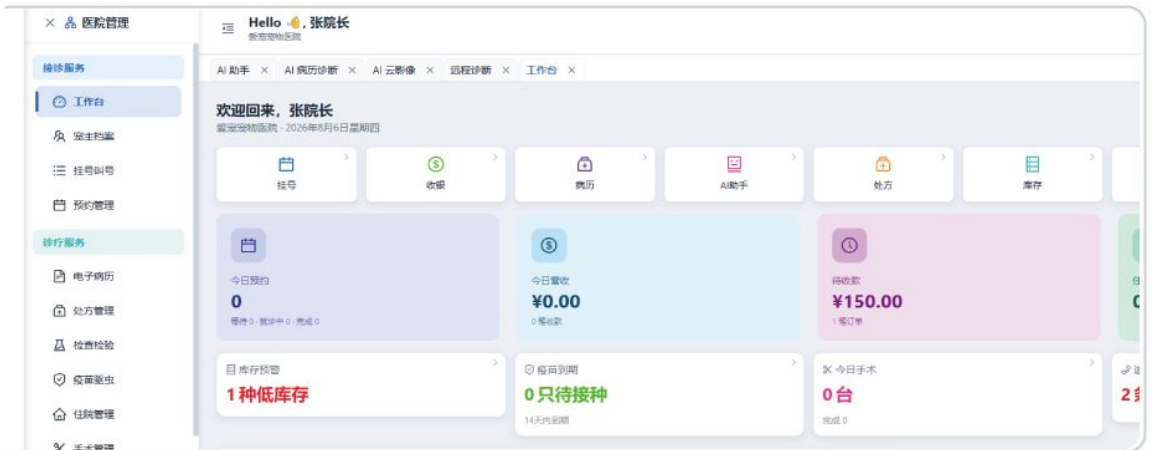
Modular management of the whole practice

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
HV Generator	
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	0.001 – 10 s
X-ray Tube	
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
Flat Panel Detector	
Scintillator	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
Ingress protection	IP54
Imaging Software	
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
Application	
Intended use	Routine and specialty exams of dogs, cats and other small animals
Power Requirements	
Input power	220 VAC $\pm 10\%$, 50/60 Hz, >10 A
Installation Environment	
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 ≥ 2.6 m