IPETMED

IPETMED AI-DR Series

Halfway through surgery, time for a look inside.

IPETMED iSurg-1 Intraoperative Imaging Kit

Spot shots during surgery · No fluoroscopy

Built for orthopedic, surgical and dental scenarios in veterinary hospitals: capture images quickly in the middle of a procedure, without moving the animal, and keep the operation moving.

Lightweight mobile design
Compact body, easy to carry, flexible positioning

Rapid image acquisition
Quick positioning and imaging during surgery

Multi-scenario coverage
Orthopedic, surgical, dental and more applications

AI imaging workstation
Acquisition, processing, analysis and management in one

SPOT SHOTS NO FLUOROSCOPY

Higher surgical efficiency
Real-time image support

Precise positioning
Fewer misjudgments

Less waste & pollution
Lower consumable use

Lower risk & stress
Less animal movement

AI smart assistance
Better treatment outcomes

IPETMED www.ipetmed.com info@ipetmed.com

Why do you need imaging during surgery?

In orthopedic, surgical or dental procedures, veterinarians need to confirm positions, evaluate results and adjust the plan in real time — but traditional imaging is hard to fit around the operating table, adding risk and time.

Traditional way		iSurg-1 Imaging Kit
Pause the surgery		Stay at the table
▼		▼
Move the animal		Quick positioning
▼	VS	▼
Imaging exam		One-click exposure
▼		▼
Back to surgery		Continue surgery

Six Core Advantages

01
Fast imaging, less waiting.

Shoot flexibly to diagnostic needs and capture images quickly.

02
Auto-stitching mode, no retakes.

Shoot to diagnostic needs and cut exposure time.

03
Fits every intraoperative scenario.

The stand rolls, lifts and rotates to shoot from any angle.

04
Beyond positioning checks

(when “X”-marked photos fail)

Self-calibration and marking for a more rigorous workflow.

05
One device, many clinical uses.

Dental, limbs, abdomen and other positioning needs.

06
AI-assisted image analysis.

Draft reports generated automatically; vets review and sign off.

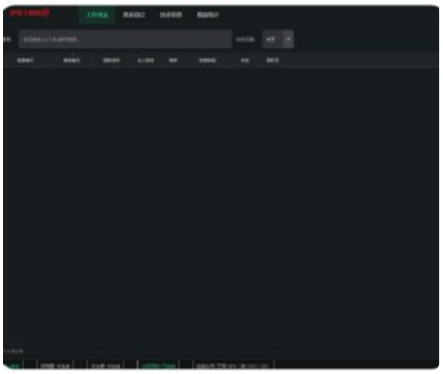
IPETMED

Smart Imaging Workstation

From acquisition to report, efficiency all the way

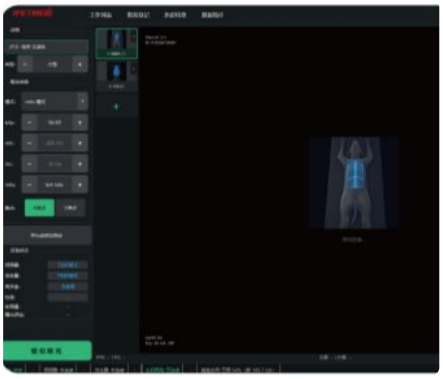
An all-in-one imaging solution covering the entire workflow — simpler operation, faster diagnosis, smarter image management and more efficient veterinary care.

1 Worklist



DICOM Worklist imports exam orders from your management software in one click, clearly showing pending, in-progress and completed studies. Multi-filtering, batch operations and quick navigation keep the whole workflow at a glance.

2 Image View / Acquire



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

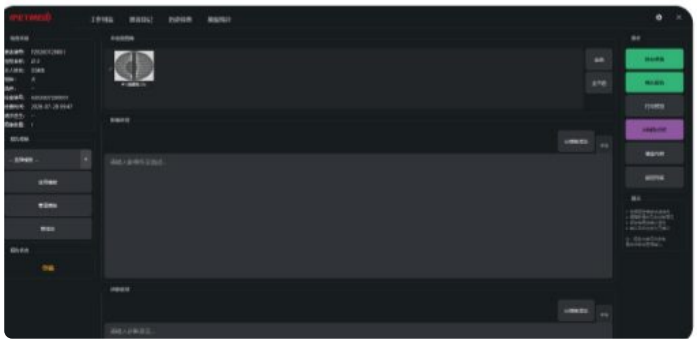
3 Patient Registration

Register pets and owners quickly, with multiple species, body types and templates to choose from — standardized data and faster registration.

4 Exam History

Complete history records with image review, comparison and export — easy tracing, follow-up and data management.

5 AI Report Draft



AI analyzes the images and drafts the report; the veterinarian reviews, edits and signs off.

Full workflow
Seamless from acquisition to report

Fast & easy
Simpler operation, higher efficiency

Standard & secure
Standardized, reliable data

Cloud storage
Access images anywhere, anytime

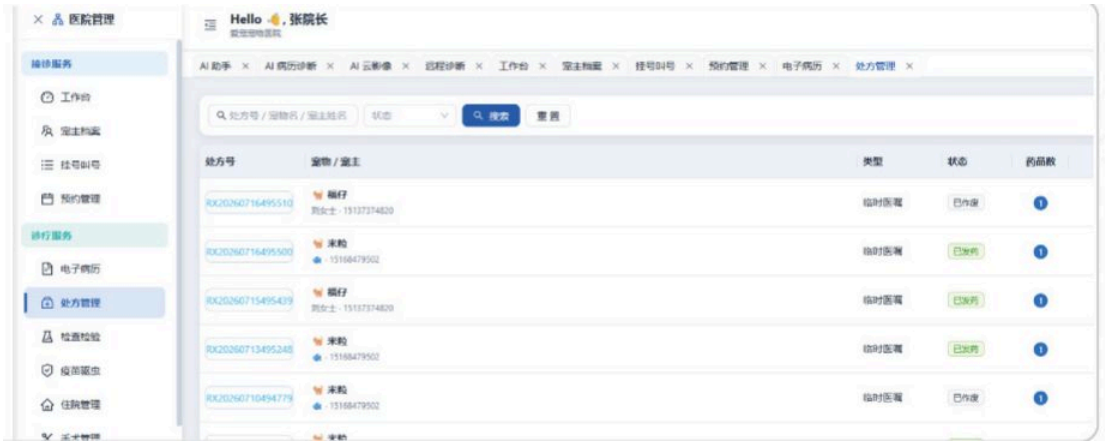
AI assistance
Smart, precise analysis

pengineAI Software Workflow

Desktop application · Image acquisition, management & AI assistance

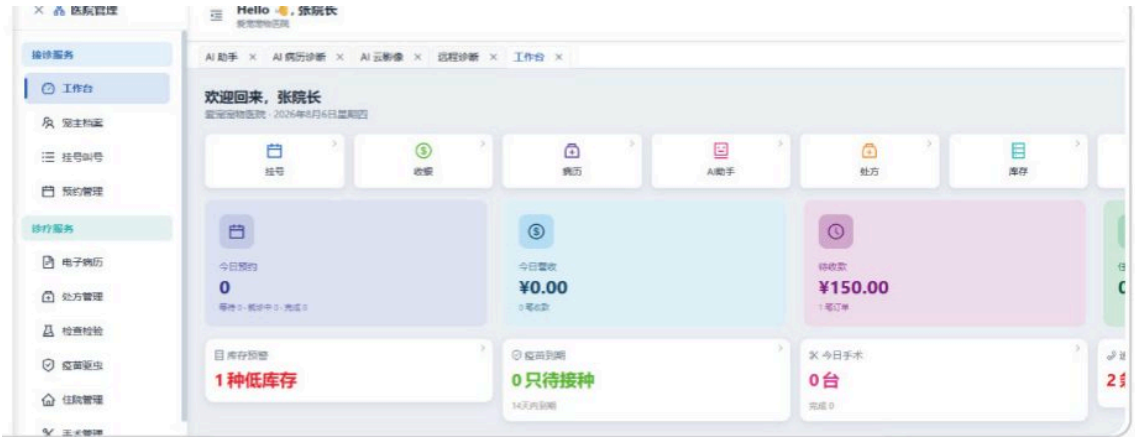
Whole-clinic modular management

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



One-stop business & data overview

Quick entry to key tasks
Real-time business data
Clear to-do lists
Revenue trends & orders



Smart tasks & clinical assistance

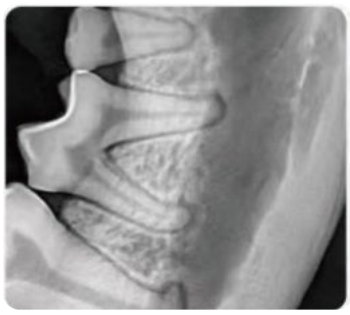
Auto task generation & tracking
Smart record & image analysis
Advice and knowledge Q&A
Better efficiency & experience

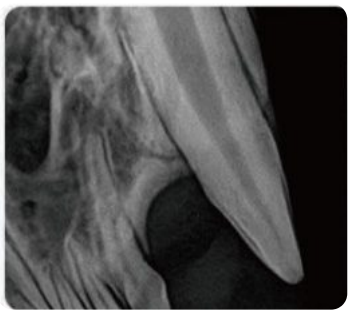
Report drafts, veterinarian review

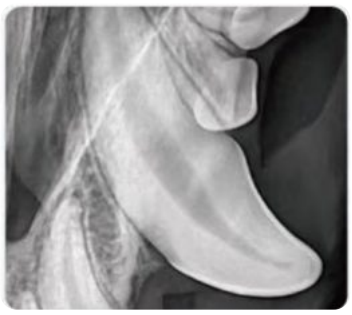
Multi-dimension history intake
AI analysis & diagnostic advice
Medication & Rx safety
Safer clinical decisions

Roots out? Take a shot, then suture.

IPETMED Dental DR — Dental DR tube head + DiD intraoral sensor, designed for veterinary dental imaging. After an extraction, quickly image the tooth root to check for any remaining fragments before suturing.







Fast imaging
Shoot & view instantly

HD images
Crisp details

Less anesthesia time
Higher surgical efficiency

Radiographic diagnosis
Fewer retakes

Stable & reliable
Fits many scenarios

Product Specifications

Item	Specification
iSurg-1	
System configuration	iShot-70 tube head + iLume4343 flat panel + mobile stand + workstation + intraoral sensor
Power supply	Standard 220 V mains, no three-phase power
Room requirements	No dedicated room modification (shielding per local regulations)
Applications	Dental, limb and abdominal intraoperative imaging
Imaging mode	Static spot shots; no real-time fluoroscopy
iShot-70	
Tube voltage	70 kV
Tube current	3 mA
Focal spot	0.4 mm
Anode target angle	12°
X-ray tube model	KL11-0.4-70
Generator frequency	80 kHz (high-frequency inverter)
Exposure time	0.01–2 s
Duty cycle	1:30
Battery	2500 mAh lithium battery
Charger output	DC 16.8 V
Total weight	1.9 kg (incl. battery)
Radiation leakage	<0.25 mGy/h
iLume 4343	**43×43 cm wired static flat panel detector**
Detector type	Amorphous silicon (a-Si)
Scintillator	CsI (cesium iodide)
Effective imaging area	43×43 cm
Pixel matrix	3072×3072
Pixel size	139 µm
A/D depth	16 bit
Min. detectable dose (RQA5)	14 nGy
Spatial resolution	3.6 lp/mm
Image preview time	1 s
Data interface	Gigabit Ethernet (GigE)
Ingress protection	IP65
Dental Sensor	
Effective area	20×30 mm
Resolution	800×1200
Pixel size	25 µm
Spatial resolution	25 lp/mm
Scintillator	CsI
Interface / protection	USB 2.0 / IPX7 (immersible for disinfection)
Exposure mode	Smart AED / preview mode

Note: a premium surgical table is available as an optional extra.

Item	Specification
Surgical Table	
IV pole	Height: 500–1070 mm
Instrument tray	Width: 1300 mm
C-arm compatible tabletop	
Restraint tie-downs	
Adjustable leveling feet	
Electric height adjustment	
Two-way tilting tabletop