

Portability Advantages & Applications

The iFlex-40 portable digital X-ray system is purpose-built for equine imaging. Lightweight and quick to deploy, it enables more efficient mobile care and on-site imaging services.

iFlex-40

Portable Digital X-ray System



Lightweight overall design
Easy to carry and transport



Built-in high-performance battery
Supports extended operation



Stable and reliable
Adapts to diverse environments



Standard Configuration



Wireless Flat Panel Detector
14" x 17"



Imaging Workstation
Pre-installed acquisition & processing software



Custom Trolley Case
All-in-one storage, protective & portable



Light & Portable
Single-operator imaging on field visits



Power Charger
Fast, stable and reliable charging



Lightweight & Portable

Compact, lightweight build is easy to carry and transport for mobile use in many settings.



Rapid On-site Setup

Simple assembly deploys in minutes, getting you imaging fast and boosting efficiency.



Wireless Imaging

Wireless detector and image transfer free up positioning and cut cable clutter.



Single-Person Operation

One person can move, position, and examine — lowering labor costs.



Instant Review

Real-time preview and processing let you verify image quality right after exposure.

Application Scenarios



Equestrian Clubs

Routine imaging exams
Sports injury assessment



Equine Hospitals

Outpatient imaging exams
Pre- & post-op evaluation



Training Grounds

On-site image evaluation
Performance monitoring



Mobile Rounds

At-home imaging services
Support for remote areas



Rehab Assessment

Recovery monitoring
Outcome tracking

IPETMED AI-DR

iFlex-40

Equine Portable

Into the stables — one person is all it takes.

A portable digital X-ray solution designed for equine practice. A lightweight body and wireless workflow handle stables, racetracks, and other demanding environments with ease — and images preview instantly after exposure for fast decisions.



1.6 kW Portable Generator

High power output, strong penetration, sharp images



Large Wireless Panel

Slim yet durable, wireless transfer, flexible handling



Single-Person Mobile Exams

Lightweight design with carry handle — a one-person job



Shoot & View On-site

Instant transfer and preview for quick, timely decisions



Built for Equine Fieldwork

At home in stables, racetracks, and veterinary clinics



Equine-Dedicated

Optimized for equine imaging needs



Field-Portable

Lightweight build, worry-free fieldwork



Rapid Setup

Ready to use in minutes



Solo Operation

Simplified workflow for one operator



Consistent Output

High-quality, reliable image output

Core Components & Portable Imaging Chain

The iFlex-40 pairs high-performance core components with an efficiently coordinated portable imaging chain, delivering a fast, stable, portable end-to-end workflow without compromising image quality.

Core Components



Portable X-ray Unit



- High-frequency HV generator
- Lightweight all-in-one design
- Simple operation, easy to move
- Stable output, sharp imaging



Wireless Flat Panel



- High sensitivity, high DQE
- Wireless transfer, fast acquisition
- Slim, rugged, easy to carry
- Large coverage, multiple sizes



PC Workstation



- Professional acquisition & reconstruction
- Viewing, measurement & analysis
- Report editing & management
- Local/network storage & backup



Processing & Archiving



- Optimized post-processing
- DICOM-standard storage
- Search & archive management
- Data security & backup

Portable Imaging Chain

01 Exposure



Portable X-ray unit delivers high-quality exposure



02 Panel Acquisition



Wireless detector rapidly receives and captures images



03 PC Reconstruction



Workstation reconstructs and processes images



04 Review & Archive



Professional review and archiving with search & backup



Professional image management, all on your PC

iFlex-40 acquisition, reconstruction, review, and archiving all run on a laptop or desktop — a bigger screen, more power, and a more efficient professional image-management experience.

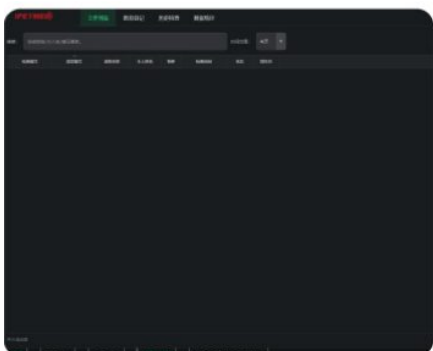


Equine Portable DR Imaging Workstation

Windows PC · Acquisition / Processing / Measurement / Reporting

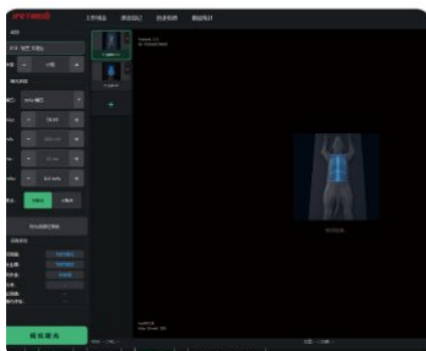
Tailored to equine field workflows; the software keeps a landscape interface.

1 Worklist



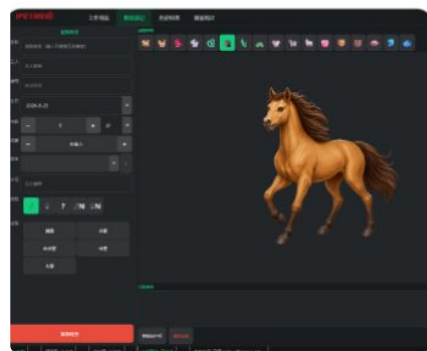
See pending, in-progress, and completed exams at a glance, with multi-filter search, batch actions, and quick navigation for an efficient workflow.

2 Image Review / Acquisition



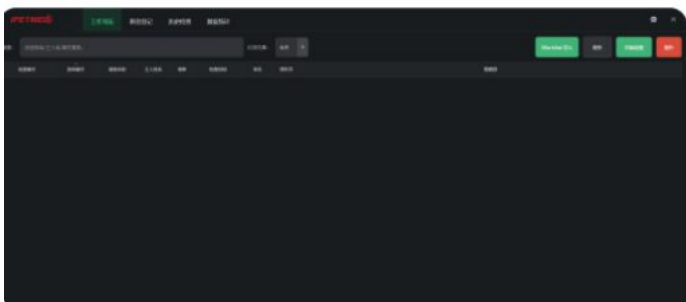
Rich acquisition parameters and professional tools support multi-view capture with real-time preview — clear, stable images for precise diagnosis.

3 Patient Registration



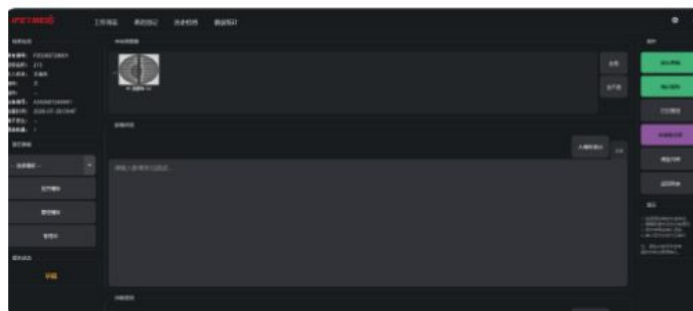
Register patients and owners quickly, with multiple species, positioning, and template options for standardized, efficient records.

4 Exam History



Complete records of past exams with image viewing, comparison, and export — easy traceability, follow-up, and data management.

5 AI Report Draft



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



Full-Workflow Coverage

Seamless from acquisition to report



Fast & Easy

Streamlined operation, higher efficiency



Standardized & Secure

Standardized data, safe and reliable



Cloud Storage

Access images anywhere, anytime



AI Assistance

Smart analysis, precise and efficient

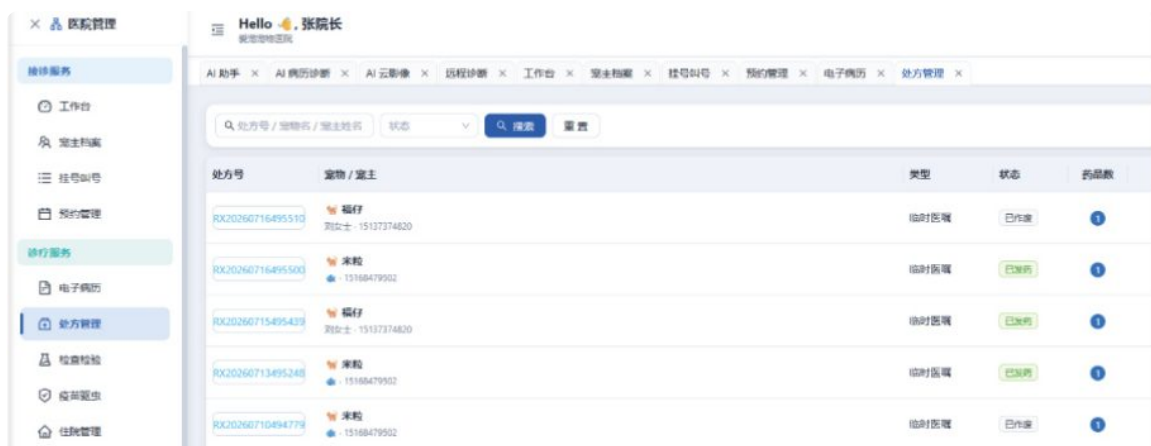
pengineAI Software Workflow

Desktop application · Image acquisition, management & AI assistance



Clinic-wide modular management

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



One-stop business & data overview

Quick access to key tasks
Real-time business metrics
Clear to-do lists
Recent revenue trends & orders



Smart tasks & clinical assistance

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



Draft reports with vet review

Multi-dimensional history capture
AI analysis & diagnostic advice
Medication safety & Rx reference
Supports safe clinical decisions



IPETMED®

Technical Specifications

06/06

iFlex-40 Equine Portable DR Imaging System

● System Overview

Product Name	iFlex-40 Equine Portable DR Imaging System
Model	iFlex-40
System Type	Portable digital X-ray imaging system
Applications	Equine limb, hoof & joint radiography and diagnosis
Composition	Portable X-ray unit + wireless flat panel detector + control workstation
Imaging Technology	DR digital imaging (amorphous-silicon flat panel detector)

● Portable X-ray Unit

Max Output Power	1.6 kW
Tube Voltage	40–90 kV (stepped)
Tube Current	10–32 mA (stepped)
mAs Range	0.1–32 mAs
Focal Spot	0.8 mm
Target Material	Tungsten
Total Filtration	≥2.0 mm Al (inherent + added)
Collimator	Manually adjustable field with LED positioning light
Dimensions / Weight	313 × 237 × 187 mm / 8 kg
Power Supply	Single-phase 110–240 V
Mobility	Carry-handle design, one-person portable

● Wireless Flat Panel Detector

Type / Scintillator	Amorphous silicon (a-Si) / CsI
Active Area	35 × 43 cm
Pixel Matrix	2560 × 3072
Pixel Pitch	139 μm
A/D Conversion	16 bit
Spatial Resolution	3.6 lp/mm
Min. Detectable Dose	14 nGy
Preview Time	1 s (wired) / 2.5 s (wireless)
Data Interface	GigE / 802.11ac wireless
Trigger Modes	AED / Prep / software trigger
Battery Life	14 h (wireless mode)

● Control Workstation

Laptop + proprietary software	(includes equine exposure parameter library)
Software Suite	Standard across the range: acquisition software (equine parameter library) / AI imaging assistant (drafts + vet review) / first-year imaging cloud. Export version adds English / Thai interfaces.

● Scope of Application

Distal equine limbs	Hoof, fetlock, cannon, carpus / tarsus
Lameness evaluation, pre-race checks, pre-shoeing confirmation, pre-purchase exams (distal regions)	
Trunk, neck and back regions exceed portable power capability	
For those needs, choose the fixed iVision-630 system	

● Operating Environment

Operating Temperature	-10°C ~ 40°C
Relative Humidity	10%–90% (non-condensing)
Storage Temperature	-20°C ~ 60°C
Altitude	≤3000 m



1.6 kW
High power
output



**Wireless
Panel**
Wireless transfer
fast & efficient



**Single
Operator**
Light, portable
rapid deployment



**On-site
Imaging**
Mobile capture
precise imaging

● Product Composition



Portable X-ray Unit



Mobile Stand (Optional)



Wireless Flat Panel Detector



Control Workstation

● Typical Exams



Limb Imaging
Full-length fore / hind limb views



Hoof Imaging
Hoof wall, coffin bone & other structures



Joint Imaging
Stifle, hock and other joint exams



Follow-up Review
Treatment evaluation & follow-up
comparison