

PORTABLE IMAGING SYSTEM



 **峻茂**
DREAM PLUS

flat-panel detector



The flat panel detector is developed by Iray, a leading brand in medical imaging solutions. It is a large-format medical DR detector designed for real-time imaging applications, incorporating advanced 139 μm a-Si TFT sensor technology. This configuration provides a high dynamic range, excellent image contrast, and superior stability in clinical performance.

The detector is suitable for a wide range of digital radiography (DR) clinical diagnostic applications. With a standard digital interface, it enables seamless connectivity and integration with hospital information systems (HIS/RIS/PACS).

Taiguang Technology offers a comprehensive SDK (Software Development Kit) supporting the Windows operating system, allowing users to configure imaging parameters, integrate system components, and perform image correction, data acquisition, and diagnostic analysis efficiently.

Portable DR



Easy to Move, Simple to Operate

1. Versatile Applications – Suitable for various scenarios including tabletop, floor use, and operating rooms.
2. High-Quality Imaging – Large-format imaging delivers clear visualization of soft tissues and easily captures medium to large skeletal structures.
3. Fast Image Processing – One-click exposure with image generation in just 3 seconds.
4. Optional Wireless Flat Panel Detector – Enhances flexibility and mobility during imaging.
5. Optional UPS Wireless Power Supply – Ensures continuous operation without power interruption.
6. Low Radiation, High Safety – Reduced radiation dose for safer clinical use.

Item	Component Name	Quantity	Main Performance Parameters
1	X - ray Generation System (Including Exposure Handle)	1 set	<ul style="list-style-type: none"> - Power: 5kW (Stable output for high - precision imaging) - Inverter Frequency: 100KHz (Enables ultra - fast signal conversion, ensuring clear image capture) - kV Range: 40-125kV (Broad spectrum covers diverse diagnostic needs, from soft tissue to bone structures) - mA Range: 10-100mA (Precise current control for optimized dose - efficiency balance) - mAs Range: 0.1-200mAs (Flexible exposure settings for varied clinical scenarios) - Exposure Time: 1-4000ms (Supports both rapid snapshot and long - duration imaging) - Power Input: 220-240VAC (Universal voltage compatibility for global deployment)
2	X - ray Tube	1 unit	<ul style="list-style-type: none"> - Focal Spot: 0.6/1.8mm (Dual - spot design balances high - resolution imaging and penetration power) - Focal Current: 20mA/100mA (Adaptive current output for precision and efficiency)
3	Flat Panel Detector (Including Data Cables & Power Control Box)	1 set	<ul style="list-style-type: none"> - Model: iRay (Custom - engineered for veterinary imaging precision) - Pixel Size: 139×139µm (Ultra - fine pixel matrix for exceptional detail rendering) - Pixel Matrix: 3072×3072 (Massive resolution for diagnostic confidence) - Imaging Time: ≤5s (Rapid workflow to minimize animal stress) - Weight: ≤4.0kg (Lightweight yet rugged for mobile and fixed - site use)
4	Mobile Rack Cart	1 unit	<ul style="list-style-type: none"> - Lifting Mechanism: Electric (Smooth, precise height adjustment for ergonomic operation)
5	Veterinary - Specific Image Acquisition & Processing Software	1 set	<ul style="list-style-type: none"> - Software Suite: Multi - functional Acquisition & Advanced Image Processing System for Pets (Tailored algorithms for veterinary anatomy, enhancing lesion detection and diagnosis)
6	Acquisition Workstation	1 unit	<ul style="list-style-type: none"> - Laptop Specifications: 1TB HDD + 16GB RAM+ Intel Core i5 Processor + 14" Display (Powerful hardware for seamless software operation and data management)
7	Collimator	1 unit	<ul style="list-style-type: none"> - Field of View: Min 0×0cm / Max 43×43cm (Full - range adjustability to match animal size and imaging target)
8	Remote Exposure Handle	1 unit	<ul style="list-style-type: none"> - Connectivity: Wireless (Unrestricted mobility for operator convenience and safety)
9	Shooting Body Type Range	—	<ul style="list-style-type: none"> - 200g-50kg (Comprehensive coverage for small pets to medium - sized animals)