

Ultra-High Throughput Digital Pathology Slide Scanner

KF-PRX-1200



Ultra-high throughput
high-speed scanning



Infinite loop loading mode



Automatic processing and archiving



Flexible configuration for different magnifications

**Digital Imaging Processing Core Platform
for Comprehensive Digital Scan Workstation**

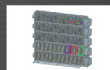
Features:



Follow classic microscopic imaging optical path design, presenting the microscope slide viewing experience



Staining-scanning-archiving, seamless integration of workflow



Supports second-level integration pre-scanning, quickly sensing the physical position of the slide

Parameters:

Loading capacity	Fully automatic one-click scanning, 1200 slides at one time
Servo infinite loading	Supports 24/7 unlimited loading mode, allowing continuous slide loading and retrieval without interrupting the scanning process
Staining rack compatibility	Standard staining racks can be directly inserted, enabling automatic loading, scanning, and archiving of slides
Objective lens	Equipped with high-end objective lenses, 20x numerical aperture 0.8, 40x numerical aperture 0.95; supports optional 4X, 10X, 20X, 40X, 60X, 100X different objective lenses, up to 5 objective lenses can be configured (supports oil lens expansion), freely switchable scanning
Scanning throughput	20X (15mm*15mm): 200 slides/hour, 4800 slides/day
Operating mode	Supports dual-core scanning, 2 slides imaging simultaneously
Archiving method	Supports intelligent archiving output after scanning
Image resolution	Bright field: 20X $\leq 0.35\mu\text{m}/\text{pixel}$; 40X $\leq 0.175\mu\text{m}/\text{pixel}$; Fluorescence: 20X $\leq 0.325\mu\text{m}/\text{pixel}$; 40X $\leq 0.163\mu\text{m}/\text{pixel}$;
Platform drive	Three-axis high-precision scanning platform
Fluorescence scanning mode	Equipped with a matrix-based fluorescence scanning unit, scanning a 10mm x 10mm area with 3 colors, each channel exposure time of 20ms, scanning time ≤ 6 minutes; 6-color scanning time ≤ 12 minutes; employs an actively cooled sCMOS monochrome camera to ensure minimal dark noise
Fluorescence configuration	Equipped with a 7-position electric filter wheel, including DAPI, Orange, Green; other channels can also be selected according to requirements, up to 8 channels can be expanded
Workstation configuration	Processor: Intel(R) Xeon(R) W2265 CPU @12C/3.5GHz/4.8GHz; Hard Drive: 512GB SSD + 8TB HDD Memory: 64GB; Graphics Card: NVIDIA RTX™ A2000
Monitor configuration	32-inch pathology monitor, 4K or higher

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