

# DSMS | Digital Slide Management System

## The Central Hub of Digital Pathology

KF-DSMS is a digital slide management platform designed for hospitals and regional pathology centers, serving as the central hub of digital pathology workflows, covering scanning, storage, management, quality control, diagnosis, and data analytics.



**240T**

Supports 500k+ digital slides



**120 concurrent users**

Enterprise-level multi-user access



**0 deployment cost**

Plug-and-play, scan-store-view simultaneously



**Multi-device access**

Mobile & tablet supported for slide management and review

## 02 Out-of-the-Box Ready

### Integrated Digital Pathology Solution

- ✓ Low deployment cost
- ✓ Rapid deployment
- ✓ No special infrastructure dependency
- ✓ Fine-grained access control
- ✓ Easy maintenance

VS

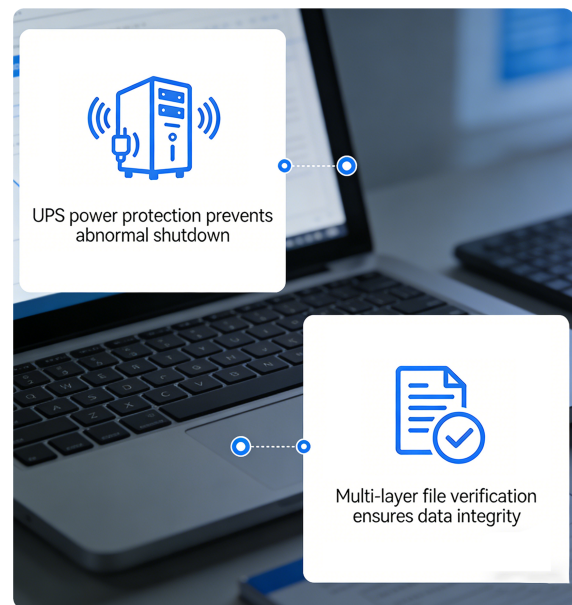
### Traditional On-Premise Data Center Solution

- ✗ High cost
- ✗ Low efficiency
- ✗ Heavy infrastructure dependency
- ✗ Indirect / coarse access control
- ✗ Complex maintenance

Automatic scan upload  
Web-based viewing in real time



Data security



# 03 Enterprise-Grade, Proven at Scale

**256TB**

Integrated deployment up to 256TB

**50W**

Supports 500k+ digital slides

**500TB**

Scalable up to 500TB

**256TB** MAX



**6↑**

scanner brands integrated

**20+**

AI pathology systems connected

**10+**

image formats supported



**120+**

concurrent users

**≤10ms**

Slide Tile loading

**≤1s**

Interface response



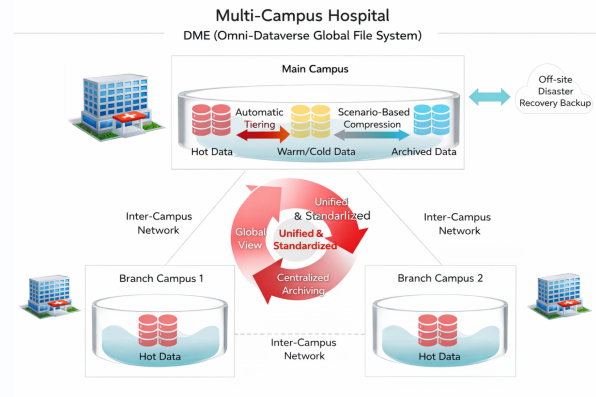
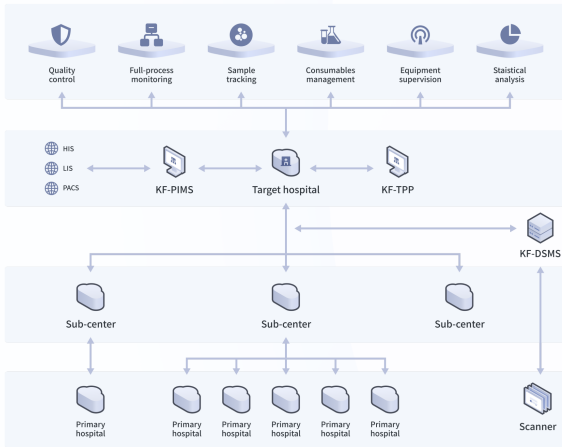
**3000+**

users worldwide



# 04 Intelligent Data Tiering

## Multi-Campus Architecture



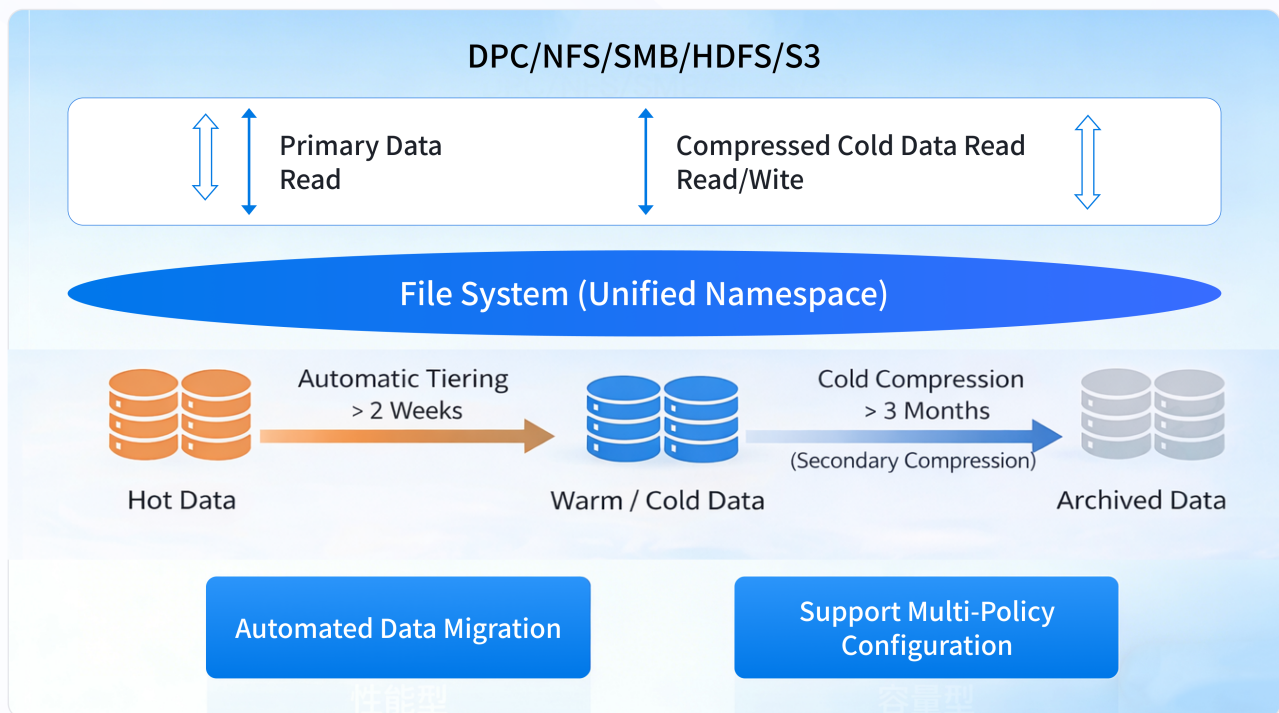
• Local sites: desktop-based scan & storage

• Central site: unified data management

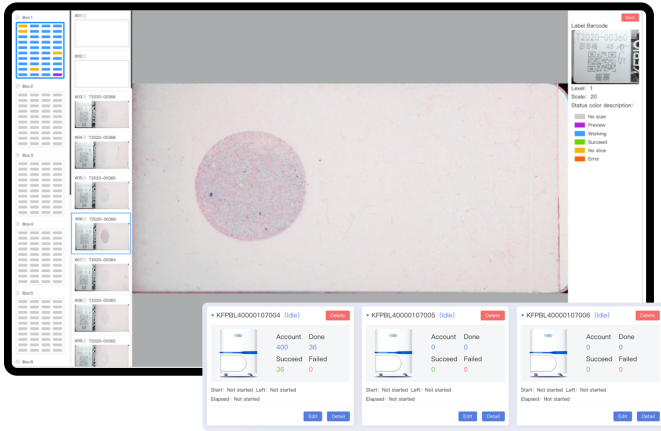
## Hot / Warm / Cold Tiered Storage

• Flexible configuration by workload

• Cost-efficient policies with automated data migration



# 05 Built for Real-World Pathology



## Device & Data Flow

- Scanner Management: Unified control and real-time monitoring of multi-brand scanners.
- Upload Monitoring: Real-time upload tracking with automated alerts.



## Slide Management & Smart QC (Key)

- Intelligent Archiving: Rule-based archiving with unlimited hierarchy.
- Smart QC: AI detects blur, folds, artifacts, and staining issues.



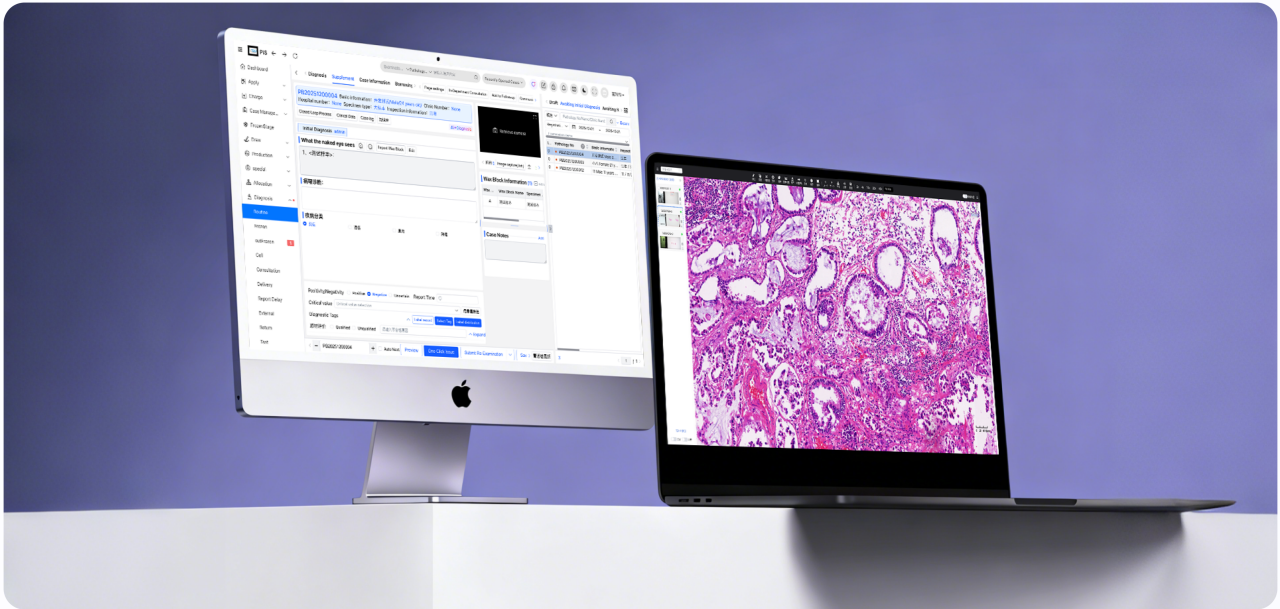
## Diagnosis & Collaboration

- One-click Assignment: Automatic task allocation.
- Multi-view Diagnosis: Split-screen HE/IHC comparison.
- Diagnostic Analytics: Structured workload, labels, and AI insights.

# 06 Robust. Open. Future-Ready.

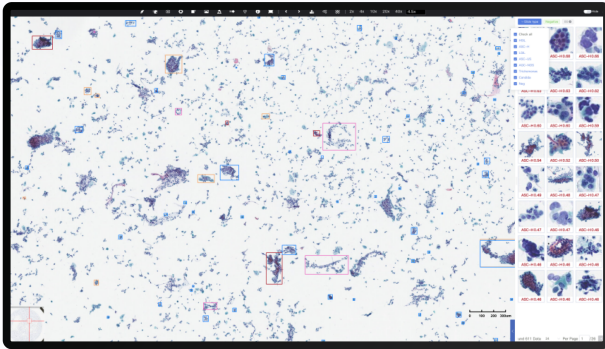
## Pathology System Integration

- Automatic case-data association

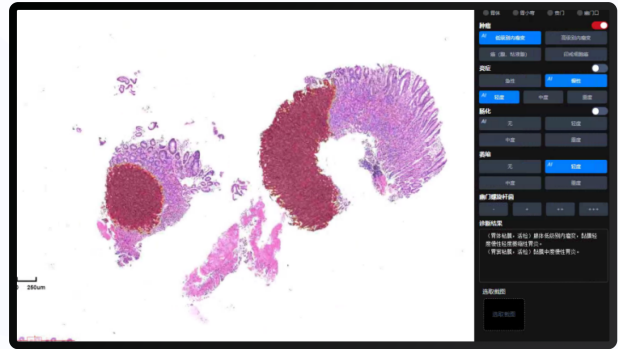


## AI Platform Integration

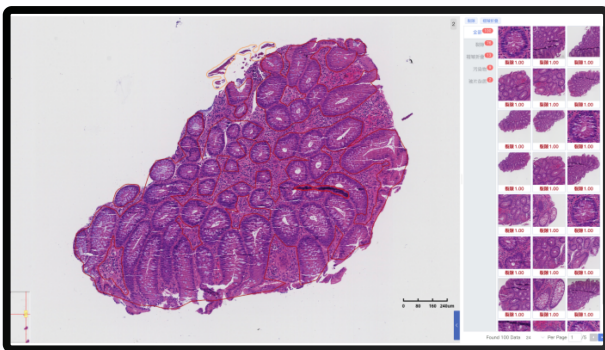
- Plug-and-play with multiple AI solutions



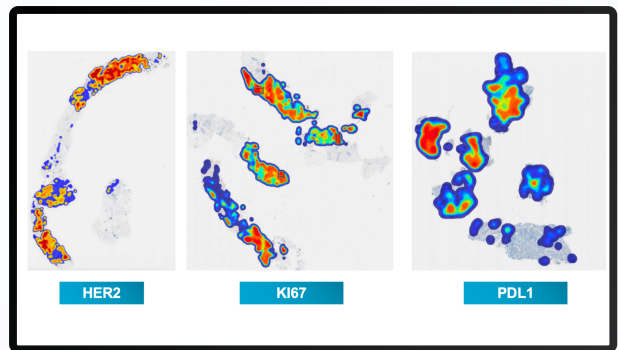
Cervical Liquid-Based Cytology



Gastroscopy/Colonoscopy



AI Quality Control

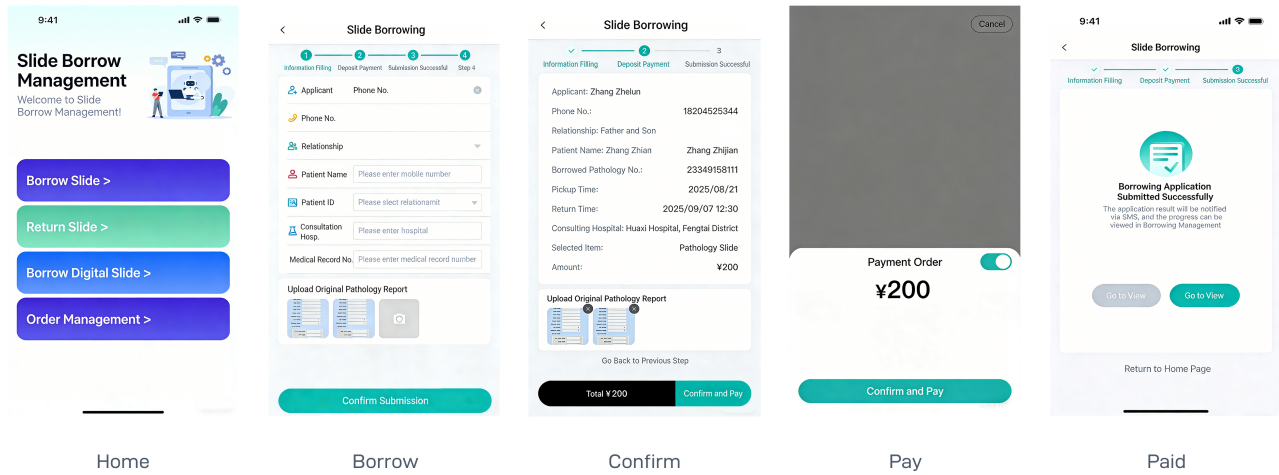


Immunohistochemistry

# 07 Digital Slide Assistant

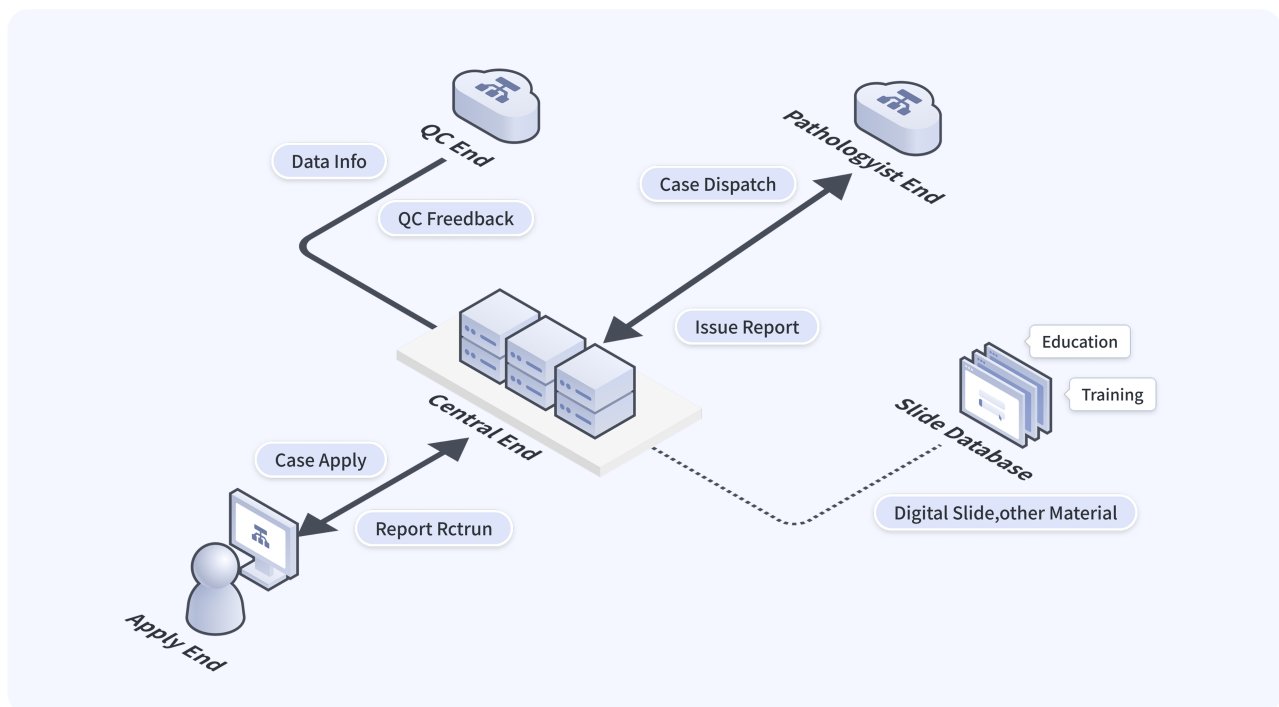
## Digital Slide Lending

- Mobile-based slide borrowing
- Payment-supported workflows



## Remote Consultation

- One-click consultation initiation
- Access to expert networks
- Report feedback and archiving



# 08 Healthcare Data Governance

**Structured Pathology Report**

(Right lung, middle lobe) Specimen / Location

Moderately to poorly differentiated Histological Differentiation

Pathological Type Pathological Type

- Focal calcification
- Necrosis present
- Maximum tumor diameter: 2.3 cm
- Visceral pleural invasion (PL3)
- No involvement of segmental bronchi

**Adenocarcinoma** Acinar pattern (~30%)

**Papillary pattern** Papillary pattern (~40%)

**Lymph Node Status:** No metastatic carcinoma identified in lymph nodes (0/17)

Station 11 0/3   Station 10 0/4   Station 12 0/1   Subcarinal lymph nodes 0/2   Station 12 0/2

**Lymph Node Status:** No metastatic carcinoma identified in lymph nodes (0/17)

**Immunohistochemistry (IHC)**

CK5/6 Negative	P63 Positive	P40 Negative	CK7 Negative	TTF-1 Negative	Napsin A Negative	Napsin A Negative
Napsin A Negative	KI-67 Negative	Brg-1 (SMARCA4) Negative	ALK(D5F3) Positive	Positive	Positive	Positive

## Structured pathology data extraction

- Stage, Diagnosis type, Key findings

**Multi-Dimensional Search**

AI analysis results

Organ: Fuzzy

Malignancy: Fuzzy

Classification: Fuzzy

pTNM\_T: Exact

pTNM\_N: Exact

pTNM\_M: Exact

Reagent: result

Buttons: Add IHC, Reset, Search

**AI Auto-Tagging**

CK (pan) :-

KI-67: + (5%)   Melan A: +

CqA: -   Svn: +

S-100: -   T: 2   N: 0

M: x

## Multi-dimensional data search

- Combined condition filtering

Pathology Number search

Slide Library

Pathology Number	Pathology Number	Basic Information	Diagnosis Conclusion	Tags
<input type="checkbox"/>	T2023-73062	None	Remarks here	☆ ○
<input checked="" type="checkbox"/>	NTRK	Hamid	Reprints Information	☆ ○
<input checked="" type="checkbox"/>	Ernie	33 years old	Diagnostic Morphology	☆ ○

Slide Preview (4)

HE-255019362002

MASSON-255019362002

PASM-255019362002

PAS-255019362002

Total 50 items   1 2 3 4 5 ... 20 >   10 items/page   Go to

## Proprietary dataset generation

- Automatic classification and fast export



## Contact Us

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