IntelliDocument Hub: Empower Decisions with Intelligent Documents Tech

D2 Intelligence

04/02/2026

Contents
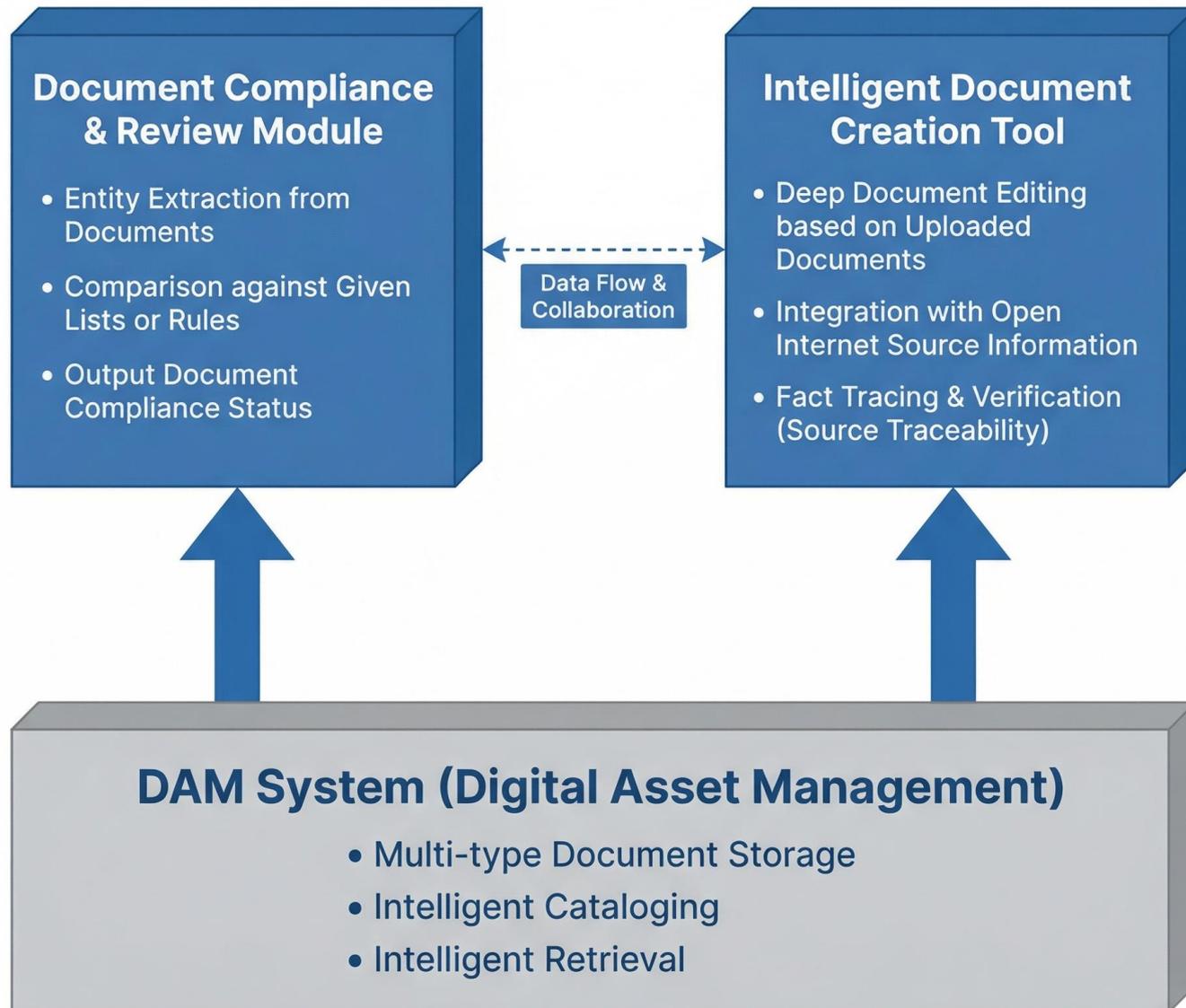
IntelliDocument Hub

Empower Decisions with Intelligent Documents

D2 INTELLIGENCE

I. Functional Architecture

IntelliDocument Hub Architecture

Document Compliance & Review Module
- Entity Extraction from Documents
- Comparison against Given Lists or Rules
- Output Document Compliance Status

Data Flow & Collaboration

Intelligent Document Creation Tool
- Deep Document Editing based on Uploaded Documents
- Integration with Open Internet Source Information
- Fact Tracing & Verification (Source Traceability)

DAM System (Digital Asset Management)
- Multi-type Document Storage
- Intelligent Cataloging
- Intelligent Retrieval

IntelliDocument Hub = Secure Storage + Intelligent Compliance + AI-Powered Creation

1. DAM System (Digital Asset Management)
- Centralized storage for **multi-format** documents (texts, PDFs, images, video...)
- Intelligent **auto-cataloging & metadata extraction**
- Fast, semantic search and version control

2 Compliance Intelligence Layer: Document Compliance & Review Module
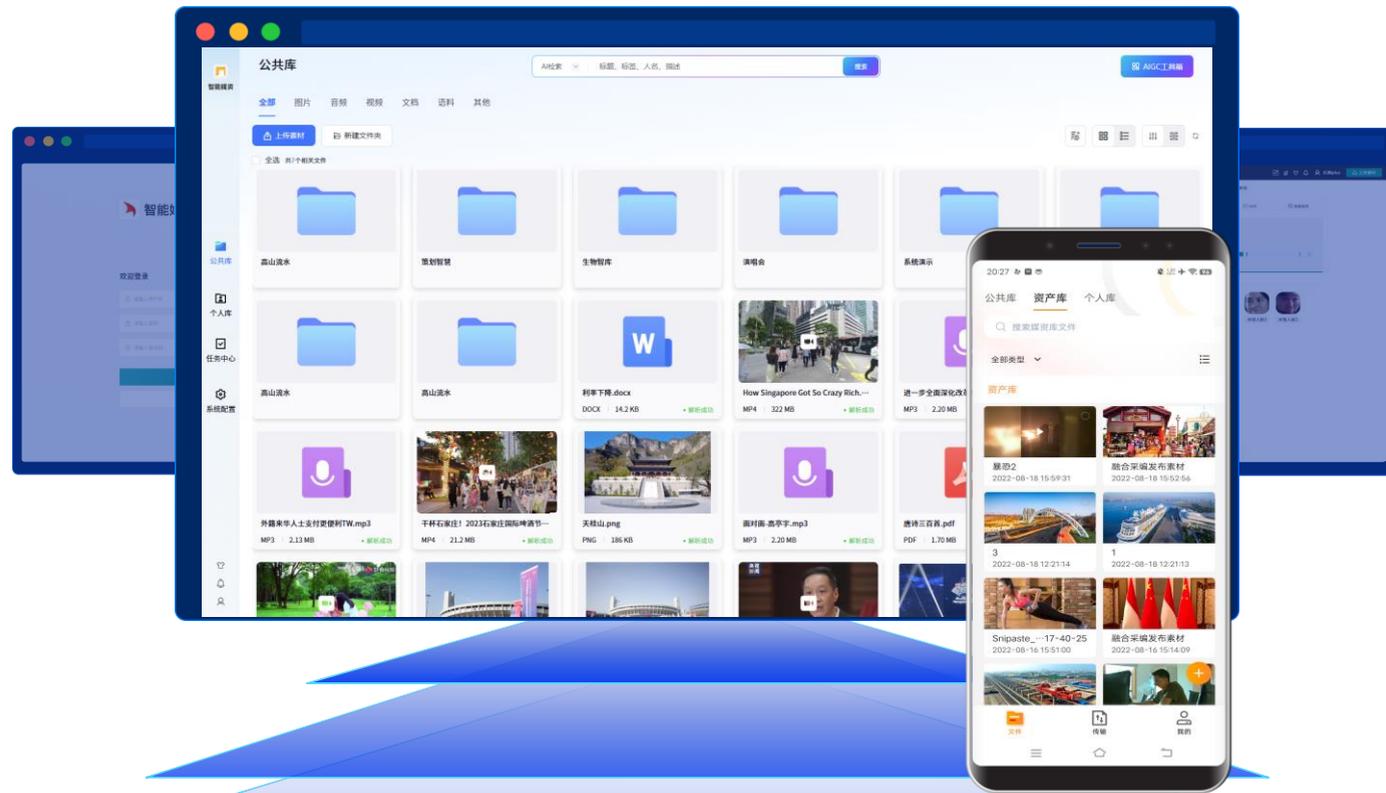- Automatic **entity extraction** (names, organizations, dates, amounts...)
- Rule-based & list-based matching against sensitive/blacklist items
- One-click compliance **status report** with risk highlighting

3 Creation Intelligence Layer: Intelligent Document Creation Tool
- Deep editing & drafting based on uploaded documents
- Integration of credible open internet & public source information
- Full **fact traceability** and automatic source citation/verification

1.1 Digital Asset Management System

Transform your digital asset management with AI-powered intelligence that understands, organizes, and optimizes your content ecosystem for **maximum business value**.

💡 **Manage • Utilize • Search • Store Digital Assets**

Intelligent Cataloging System

Intelligent Q&A

Multimodal Intelligent Understanding

End-to-End Management

Cross-modal AI Search

Multimodal Content Deep Processing

Multimodal Knowledge Base

AI-powered Content Review

1.2 Multimodal Content Analysis

D2 INTELLIGENCE

Face Recognition

- Identification and extraction of key figures in images and videos

- Used for **quick material location, thematic reporting clustering**, and other scenarios.
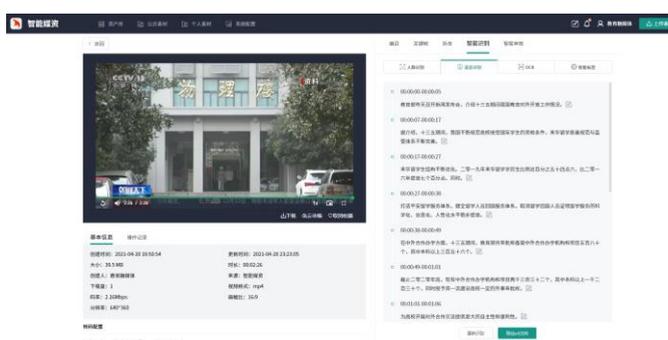
Speech Recognition

- Conversion of speech to text in audio and video materials

- Used to **enhance writing efficiency, audio material retrieval, and assist in subtitle translation** for various scenarios.

OCR Recognition

- Text Recognition in Images

- Used for **image retrieval, subtitle extraction**, and other scenarios.

Tag Recognition

- Achieve entity extraction, event, scene, object, and logo recognition, etc.

- Used for **cross-modal content retrieval, reporting topic clustering, content risk identification**, and other scenarios.
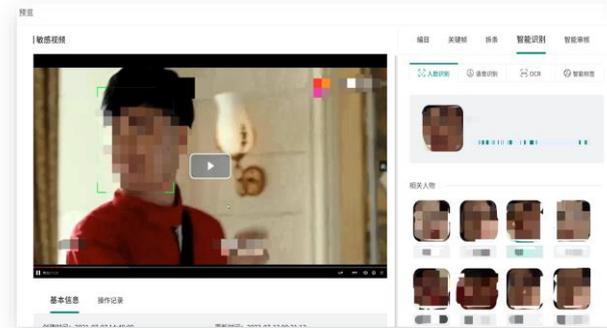
1.3 Cross-modal AI Search

Multimodal pre-trained models based on contrastive learning, integrated with vector search, enable quick cross-modal semantic search
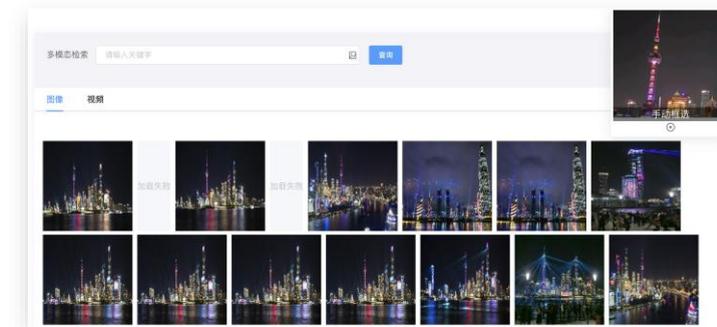
1.Person Search Based on Facial Comparison

- The target person can be located in a billion-level facial database **within 5 Seconds**.

- In million+ image library, hundreds of relevant materials can be found **within 1 second**.
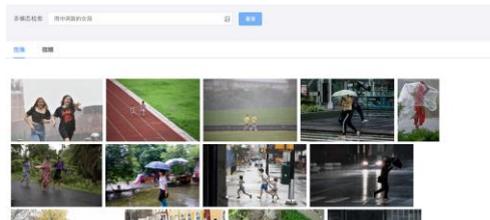

2.Landmark Retrieval

Identify **landmarks, buildings, scenes, and etc**

3.Text-based Image Search
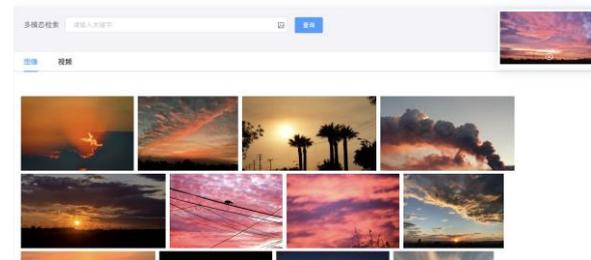
Input： "The girl running in the rain."

Output：

4.Similar Image/Video Content Retrieval
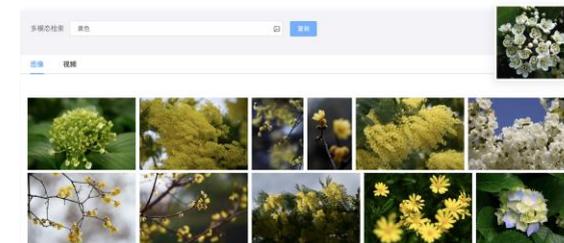
Input：

Output：

5.Text + Image Search for Images/Videos

Input Text： "Yellow"

Input Image：

Output：

1.4 AI-powered Content Security Review

AI-driven content moderation ensuring compliance and safety across all digital assets

• Inappropriate Content

Advanced recognition and filtering of various inappropriate content types

Detects:
Explicit content, suggestive material, cartoon pornography, related objects

• Violence & Terrorism

Identify suspected violent/terrorist content, objects, and scenes

Detects:
Weapons, terrorist symbols, violent scenes, warfare content

• Sensitive Persons

Precisely identify sensitive individuals and problematic figures

Detects:
Disgraced officials, terrorist leaders, anti-establishment figures, problematic celebrities

• Political Figures

Accurate identification of government and military leaders

Detects:
National leaders, regional officials, military personnel, government figures

• Audio Content Review

Comprehensive audio analysis for inappropriate content detection

Detects:
Inappropriate audio, political content, advertising, vulgar language

• Compliance Assurance

Ensure all content meets regulatory and organizational standards

Benefits:
Risk mitigation, regulatory compliance, brand protection

2. Document Compliance & Review Module
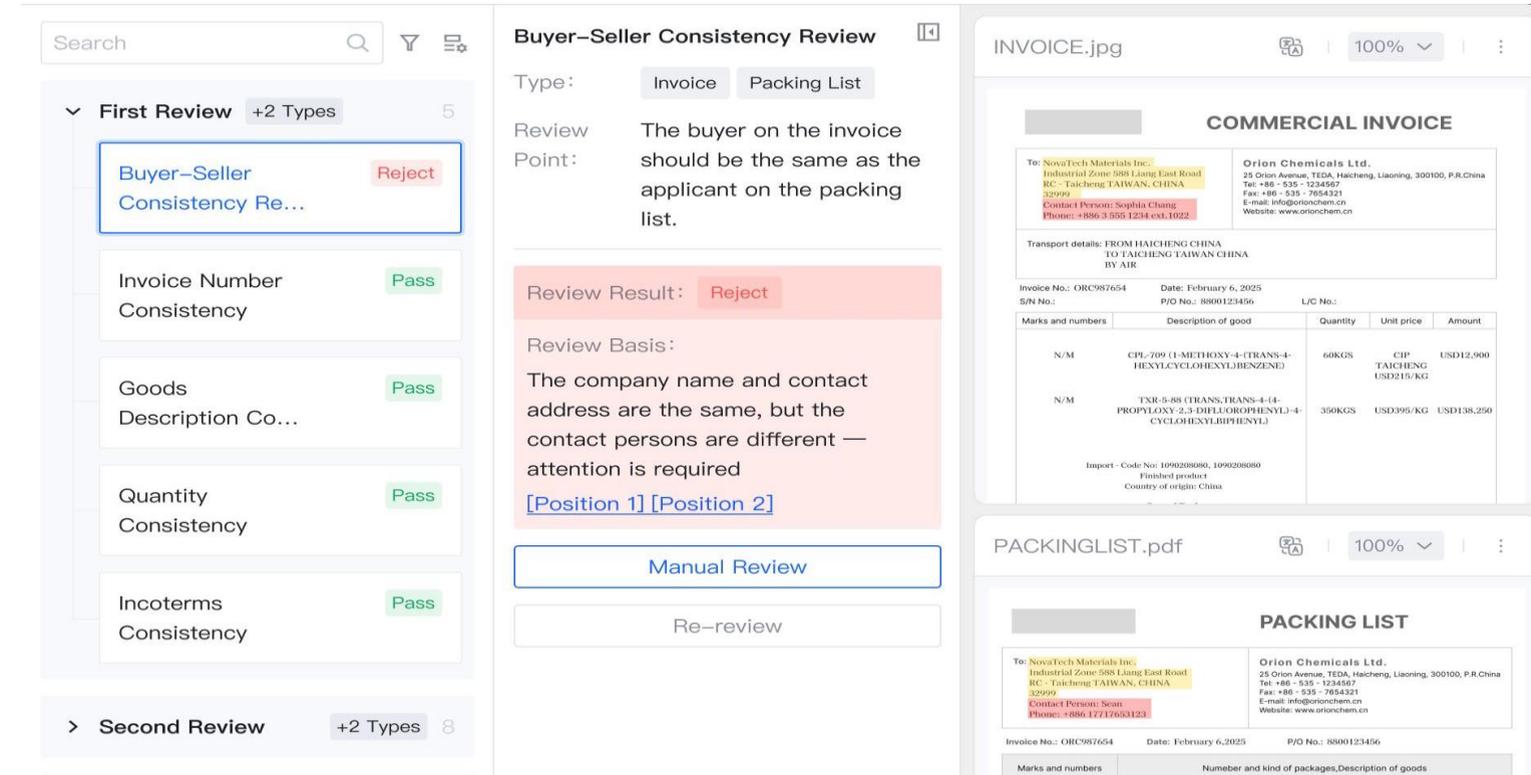
Perception Layer:

- High-precision OCR for multi-language, handwriting, and seal recognition.
- Smart pre-processing (dewarping, watermark removal).

Cognition Layer (The GenAI Core):

- **Semantic Extraction:** Extracts fields based on meaning, not templates.
- **Logical Reasoning:** Automatically cross-checks consistency. Authenticity Analysis.
- **Compliance Screening:** Checks entities against related lists.

Decision Layer:

- Outputs a **Risk Scorecard** (Red/Yellow/Green).
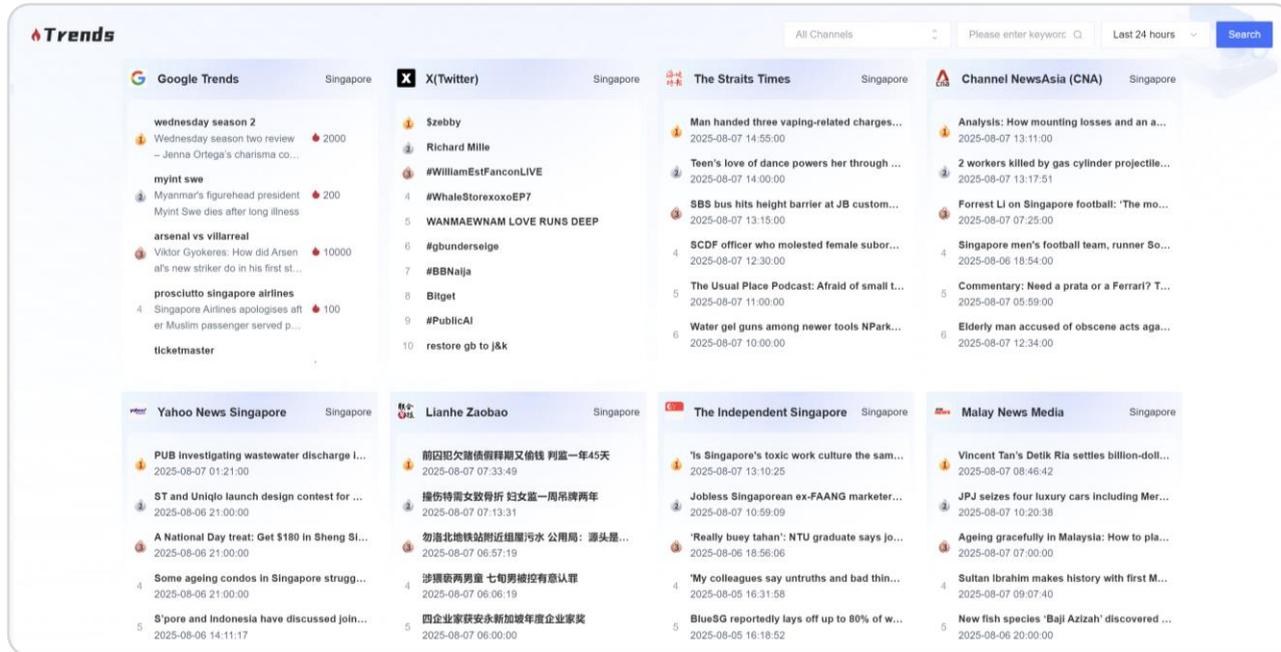- Provides a **"Human-in-the-Loop"** workbench for rapid verification.

Operational Efficiency: Reduce information retrieval time by **90%**

Single document	Review Category	Review rule name	Document type	Review rule details
	Conditional review	Invoice name	Invoice	Invoices cannot be labeled as "temporary invoices," "formal invoices," or similar
	Consistency review	Upper and lower amount	Invoice	Upper amount should be equal to lower amount
	Conditional review	Defect terms	Bill of lading	Bill of lading should not contain defect terms for goods or packaging

Multi-documents	Review Category	Review rule name	Document type	Review rule details
	Consistency review	Counterparty consistency	Invcoice&L/C	Issued by the beneficiary, the header must be made with the applicant's name.
	Consistency review	Country consistency	Invoice&L/C	When the addresses of the beneficiary and the applicant are displayed on the documents,the address must be in the same country as the respective addresses mentioned in the L/C.
	Consistency review	Amount&Currency consistency	Invoice&L/C	Amont&currency on invoice is equal to the amount&currency on L/C

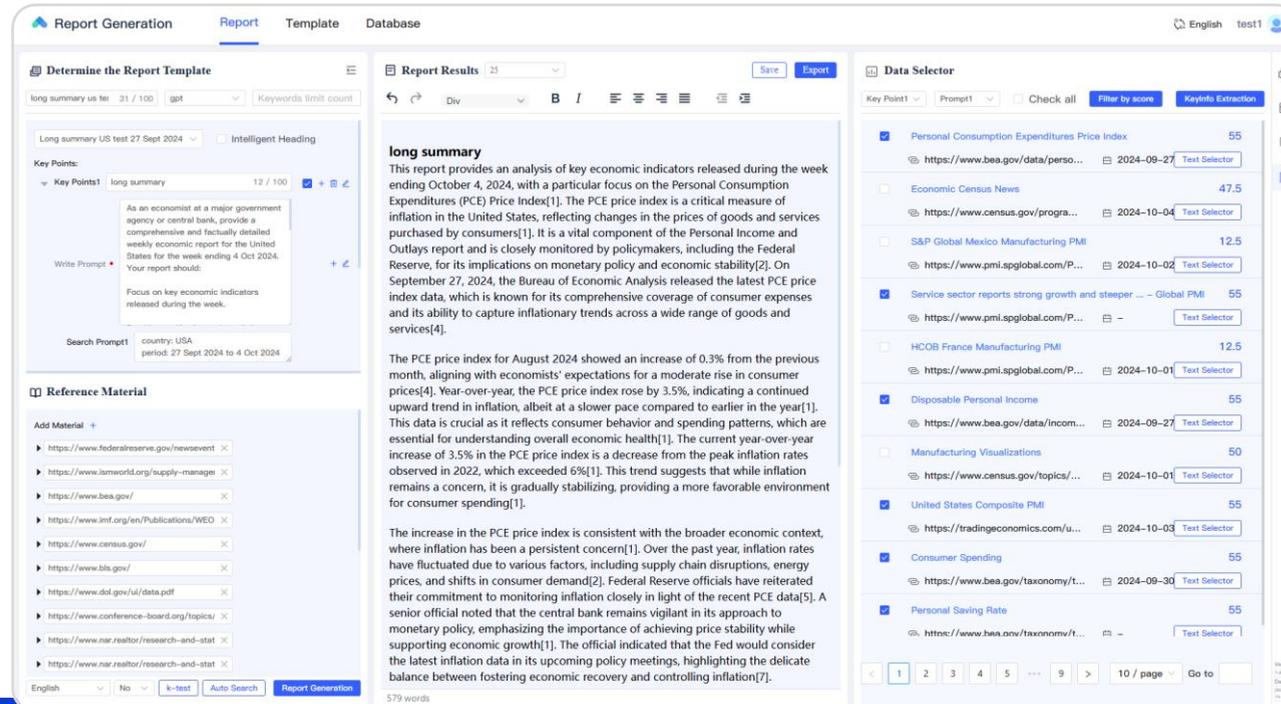| Cross System	Review Category	Review rule name	Date data	Review rule details
	Compare review	Submission Date	System date, bill of lading and L/C	Submission date must be before the deadline specified in L/C and no later than the expiration date of L/C.

3. AI-Powered Creation Module

Turn hours of work into minutes. Empower evert analysts teams with high-quality reports

Technical Highlights

- **Multi-Agent Collaboration**: autonomous planning, dynamic data matching, human-in-the-loop

- **MCP Tool Integration**: real-time search + professional analysis

- **Full Traceability**: every claim linked to verifiable sources

Core Value

- **Efficiency Leap** → Compress hours/days of work into 10 minutes

- **Lower Barrier** → Business users become analysts — no data expertise needed

- **Quality & Control** → Traceable sources, editable content, version history, AI polishing

Ⅱ. Competitive Advantage——ALL-IN-ONE Intelligence

D2 INTELLIGENCE

Deliver **storage + automated compliance auditing + AI-powered report drafting** in a single, secure platform.

Support **fully customized enterprise-level solutions from data to models to decision-making**, including ontology data modeling and fine-tuning of AI models, and also support the construction of dedicated agent workflows.

Capability	IntelliDocument Hub	Bynder / Brandfolder / Canto	Adobe Experience Manager Assets	OpenText / Aprimo / Box (Gov-focused)	Traditional ECM / Records Mgmt
Core DAM (Storage, Cataloging, Retrieval)	✓ Full-featured + Intelligent	✓ Strong, enterprise-grade	✓ Very strong	✓ Strong, often on-prem/cloud	✓ Basic to strong
Advanced AI Auto-Cataloging & Semantic Search	✓ Sentiment cataloging	✓ Partial (basic AI tagging)	✓ Good	✓ Moderate	Limited
Automated Entity Extraction & Rule-Based Compliance Checking	✓ Core strength (one-click risk report)	Limited / Add-on	Partial (via custom workflows)	✓ Some (focus on records compliance)	✓ Some, but manual-heavy
Deep AI Document Creation / Report Generation	✓ Integrated (upload + open sources, fact tracing & citation)	✗ Not native	✗ Requires heavy customization	✗ Limited AI generation	✗ Mostly absent
Full Fact Traceability & Source Verification	✓ Built-in	✗	Partial	Limited	✗
Government-Grade Security & Compliance (FedRAM, audit logs)	✓ Designed for public sector	✓ Good (enterprise)	✓ Strong	✓ Excellent (FedRAMP in many cases)	✓ Strong
End-to-End Workflow (Storage → Compliance → Intelligent Creation)	✓ True closed-loop	✗ Fragmented (needs integrations)	✗ Requires add-ons	Partial	✗ Usually siloed
Deployment Flexibility & Cost Efficiency	✓ Modern, scalable	✓ Cloud-focused	✓ Enterprise, complex	✓ Often heavy/expensive	Varies

1. Policy & Regulatory Document Management

- **Centralized DAM** for ordinances, circulars, consultation papers, internal guidelines
- Intelligent cataloging & semantic search **across bureaux/departments**
- Supports policy formulation & effectiveness **feedback evaluation**

2. Public Service & Citizen-Facing Workflows

- Secure handling of application forms, complaints, licensing documents
- Integration potential with **iAM Smart / CorpID** for authenticated access
- Reduces manual processing in high-volume departments (e.g., Immigration, Social Welfare)

3. Automated Compliance & Risk Review

- **Entity extraction + rule/list matching** (e.g., Sanctions List, national security keywords)
- **One-click** compliance status + risk highlighting for internal memos, public responses, FOI replies

4. Intelligent Report & Briefing Generation

- **AI-assisted creation** of policy briefs, impact assessments, annual reports...
- **Fact traceability & source verification** using credible public/open data

5. Archives & Records Management

- **Long-term secure storage** with audit logs & version control
- Meets government records retention & cybersecurity policies

Thank you!

D2 Intelligence

04/02/2026