BCD
Asset Engine Workspace
DWS
Powered by Dynamic Workflow Solutions

SOLUTION OVERVIEW
Digital media and evidence management

BCD's Digital Asset Engine Workspace

One centralized platform to collect, organize, convert, standardize, and manage digital media and metadata from diverse sources. Disorganized proprietary video and fragmented metadata become a cohesive, AI-ready resource that streamlines workflows, maintains compliance, and preserves assets for the long term.

2,000+
proprietary video formats supported today

Seconds
to ingest and view content, with no file copying

Minutes
to convert video, not hours of uploading and transcoding

25+ yrs
of digital evidence expertise from Dynamic Workflow Solutions

THREE KEY CHALLENGES, SOLVED

1

Drag, drop, and view instantly

Video, audio, documents, drone footage, cell phone extracts, and nearly anything digital are ingested in seconds. Investigators, RTCCs, and forensic teams review content without copying files, protecting chain of custody.

2

Rapid binary rewrapping

Proprietary video from VMS, transit, body cameras, covert cameras, consumer DVRs, and more is converted in minutes. Teams view and act on evidence in minutes, not hours or days.

3

AI-ready standard MP4

Converted files work with AI tools of all kinds. Share automatically to BriefCam to locate key evidence and build a synopsis, then return results to the case faster than any workflow in the industry.

BUILT FOR THE AI WORLD

Improved data quality and consistency
Automatic video conversion, data cleansing, and standardized metadata reduce errors, duplicates, and AI hallucinations.

Enhanced discoverability
Searchable, filterable structure plus advanced tagging and enrichment surface hidden patterns and connections.

Scalability and automation
More accurate AI that scales efficiently across large, diverse datasets from multiple vendors and sources.

Compliance and ethics in AI
Metadata tracks source and permissions, retention management meets policy, and audit trails support AI explainability.

Simplified data preparation
Uniform file names, tags, dates, and relationships cut the time spent on data wrangling, labeling, and merging.

Efficient training data management
Complete, controlled datasets in one place, with schemas that identify subsets for training, validation, or testing.

Seamless AI tool integration
Supports data lake architectures and feature stores, with APIs for dynamic model retraining and real-time analytics.

Faster action on evidence
Legal, security, and law enforcement teams move from raw footage to actionable evidence in a compliant, defensible process.

KEY FEATURES

- **Digital media conversion:** over two thousand proprietary video formats supported today.
- **Comprehensive metadata collection:** aggregate metadata from databases, APIs, files, and diverse sources.
- **Asset archiving:** safely store and organize videos, images, documents, and other digital assets.
- **Standardized metadata structure:** normalize formats for consistency and usability.
- **Integration ready:** export metadata and assets to analytics tools, catalogs, and other applications.

WHO IT'S FOR

Investigators · Real-Time Crime Centers · Forensic teams · Security teams · AI and ML pipelines · Digital libraries and archives · Cloud resource and asset managers

WORKS WITH

BriefCam · Centific · AWS · Microsoft · Dell
and other leading AI platforms and frameworks.

BCD Hybrid 5.0 for DEMS

A secure, case-centric digital evidence platform that turns unstructured video, images, documents, and online content into searchable, actionable intelligence. Hybrid 5.0 combines AI-powered discovery, structured workflows, and complete chain-of-custody auditing, while evidence stays in the storage your agency already owns.

25 capabilities
in one integrated evidence platform

CJIS support
through audit logging, MFA, and documented approvals

SAML 2.0 + OIDC
single sign-on with Entra ID, Okta, and Google Workspace

Your storage
bring your own: on-premises, private, public, or hybrid cloud

AI SEARCH AND DISCOVERY

AI Tagging and OCR
Extracts text and generates tags to find people, vehicles, and case numbers in seconds.

Search and Discovery
Google-like, permission-aware search across millions of files, with facets, saved queries, and real-time indexing.

Visual Intelligence and Similarity Search
Image-to-image search for similar vehicles, objects, clothing, scenes, and locations across cases.

Face Recognition
Locates persons of interest frame by frame and against authorized watchlists, with every search audited.

Smart Collections
Rule-based collections that update automatically, with custom alerts.

CASE AND EVIDENCE ORGANIZATION

Folder System
Case-centric, drag-and-drop folders that support the full evidence lifecycle, from collection to retention.

Evidence Board
Correlate evidence across cases without moving or copying original files.

Metadata Panels and Custom Fields
Unlimited agency-specific fields, validation rules, and dynamic logic aligned with RMS and CAD.

Tag Governance
Controlled vocabularies with AI tag review, bulk edits, and usage analytics.

Web Link and YouTube Assets
Preserve online and OSINT content with source URLs and case links.

Versioning and Concurrency Protection
Full change history, side-by-side comparison, and record locking for safe multi-user work.

WORKFLOW AND COLLABORATION

Approval Workflows
Configurable approval chains with supervisor oversight and automatic escalation of overdue items.

Forms
Paperless digital forms with dynamic logic, electronic signatures, routing, and status tracking.

Notification System
Real-time, rule-based alerts by in-platform message, email, or mobile device, with user preferences.

Sharing and Share Links
Share a file or a full case with expiration, passwords, and access limits, plus secure public upload links.

Watermark System
Dynamic, recipient-specific watermarks applied automatically to shared images, PDFs, and video.

Progressive Web App and Mobile
Field access, mobile uploads, and offline work with sync, all without app store dependencies.

SECURITY AND COMPLIANCE

Audit Logging
Tamper-resistant chain-of-custody records of every view, download, share, edit, and approval.

Permissions Matrix Admin
Granular, least-privilege access down to the folder, evidence item, field, and workflow.

Single Sign-On and MFA
Agency credentials, group-to-role mapping, and authenticator, token, SMS, or email verification.

Trash, Soft Delete and Retention
Recoverable deletion, legal holds, automated retention schedules, and defensible disposition.

INFRASTRUCTURE AND INSIGHT

Storage Connections and Analytics
Manage evidence across connected repositories without migration, and track growth, workloads, and trends on role-based dashboards.

- **Protect evidentiary integrity**
  Originals stay in place, every action is logged, and approvals are documented for court and compliance reviews.
- **Accelerate investigations**
  AI tagging, OCR, and visual search replace hours of manual review and surface cross-case leads faster.
- **Keep your agency in control**
  Use existing storage and identity systems, and scale from small departments to multi-jurisdictional organizations.