

Momentry Studio Specification Sheet

From file-based search to moment-based intelligence

Technical Overview

System Architecture

Momentry adopts a two-layer architecture consisting of Portal and Core.

- **Portal (User Interface):**
Search, results presentation, video playback
- **Core (AI Engine):**
Semantic search, index building, and result sorting

All processing runs locally — without relying on external cloud services.

Core AI Capabilities

Media Ingestion & AI Indexing

Multimodal AI Analysis (Speech / Text / Vision)

Semantic & Contextual Search

Intelligent Ranking & Response Generation

Search API (Simplified)

```
1 {
2   "query": "keyword",
3   "limit": 10
4 }
```

Response

```
1 {
2   "results": [
3     {
4       "moment_id": "xxx",
5       "video_id": "xxx",
6       "t_start": 12.5,
7       "title": "...
8     }
9   ]
10 }
```

The API returns searchable moments and contextual fragments instead of entire files.

Solution Positioning	
Momentary can be deployed as	• An AI intelligence layer for storage infrastructure • An AI-powered search enhancement module for MAM / DAM / CMS platforms • A standalone AI media search platform Enhances existing workflows by transforming media assets into searchable intelligence.
Deployment Mode	
No cloud dependency	• On-premise • Edge AI architecture • AI compute nodes integrated with high-performance storage
Integration Capabilities	
API-based integration	
Integrates with existing systems (MAM / DAM / CMS)	
Customizable API workflows and UI integration	