# CT Vision

Leveraging Advanced Language and Vision Models to Solve Complex Business Problems

## About CT Vision

The CT Vision is a cutting-edge video analytics platform co-developed by Microsoft and Celebal Technologies, offering robust solutions for video understanding, scene retrieval, and analysis. This adaptable solution caters to multiple industries, facilitating the efficient management of large-scale video data. CT Vision complies with rigorous data security and governance standards, ensuring reliability, accuracy, and the protection of sensitive information.

**With an intuitive interface and seamless integration capabilities, CT Vision enhances user experience and adapts to diverse operational needs.**

## Business Friction Points

### Video Asset Searching

Difficulty in efficiently locating specific video content within large, diverse libraries.

### In Video Searching

Inability to pinpoint exact scenes, frames, or chapters based on content.

### Real Time Video Analysis

Analyze video content in near real time to provide video insights and description.
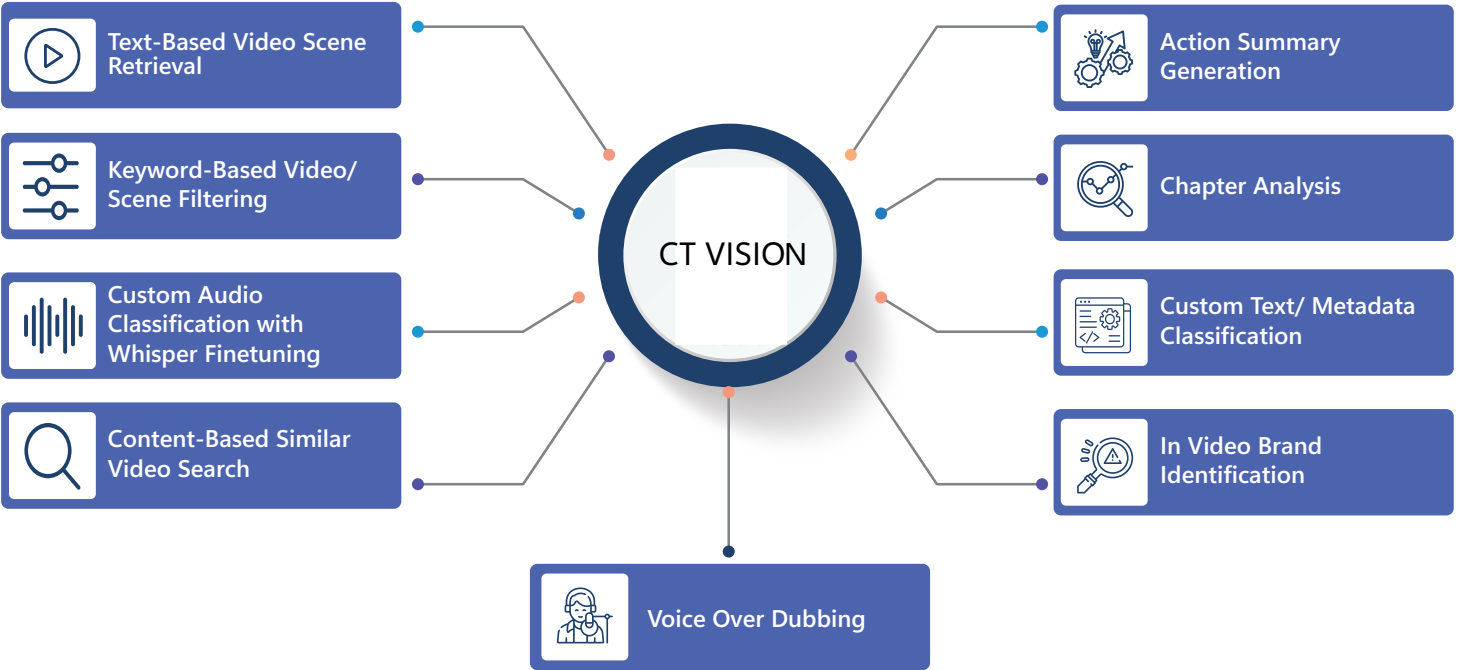
### Content Modification

Manual processes for tasks like language translation or voiceover dubbing, leading to errors and inefficiencies.

**Contact us at enterprise.ctvision@celebaltech.com**

# CT Vision: Industry-Driven Video Analytics Framework

| Custom Applications (legacy or new | BFSI | Energy | Manufacturing | Retail & CPG | Media & Entertainment |
|---|---|---|---|---|---|
| **Solution** | Car Damage Claim Automation | Asset Defect Detection | Gauge Monitoring | Inventory Management | Movie Trailer Generation |
| | Video KYC | Vegetation Management | Product Quality Inspection | Self Checkout Kiosk | Video Asset Searching |
| | Insurance Underwriting | EHS | | | Sports Match Highlights Generation |
| **Industry Independent Use case** | Video Resume Parser | | | | |
| | Automatic Video To Manual Document Generation | | | | |
| | Meeting Summarizer | | | | |
| **Tech Stack** | Azure Open AI GPT 4 Vision + Whisper | Azure Cognitive Search | Azure Container Registry | Azure Kubernetes Service | Azure Cosmos DB · Azure Storage Account · App Service · Azure Data Factory |
| **Frame work** | Content – based image Retrieval Analysis Framework PTU enabled solution (recommended) | | | | |

# Key Highlights



- Text-Based Video Scene Retrieval
- Keyword-Based Video/ Scene Filtering
- Custom Audio Classification with Whisper Finetuning
- Content-Based Similar Video Search
- Action Summary Generation
- Chapter Analysis
- Custom Text/ Metadata Classification
- In Video Brand Identification
- Voice Over Dubbing

**CT VISION**