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ADVANTECH

Enabling an Intelligent Planet

Intel®-Based RAG AI Server with Video Search

This reference implementation leverages a multi-modal Large Vision Model on an Intel®-based RAG AI server to enable video retrieval via text queries. Users enter text queries through a web UI, and the system searches for the most relevant videos from a locally-stored vector database. The pre-built vector storage is generated offline using local images and videos. This AI-powered solution enhances smart city applications by enabling efficient, accurate video search for traffic monitoring, public safety, and urban management, improving real-time decision-making and operational efficiency.

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