

Edge Vision -Language Model for Real-Time Scene Awareness

Scene Descriptor

Edge AI Scene Descriptor is a modular, event-driven edge AI application that captures video frames from a local media store (/srv/sr/media), processes them through an on-device Florence-based AI model (scene-descriptor, FastAPI on port 8000) to generate rich textual scene descriptions, and asynchronously routes the resulting structured events through RabbitMQ to an ingestion and API service (event-reader) that persists the data and exposes it via REST (port 8001) for external consumption — all while a background cleanup service (edge-event-data-purger) enforces data retention policies, making the entire pipeline self-contained, lightweight, and purpose-built for real-time scene intelligence at the edge.



*Real-time AI scene understanding at the edge — **no cloud dependency, full data privacy***

Key Intel-Enabled Features



Fast Edge Inference



Low Latency AI



Privacy at the Edge



Scalable Architecture

Accelerate Business Transformation with Optimized, Ready-to-Deploy, Intel-Powered AI Partner Solution

- OpenVINO™ accelerates Florence model inference at the edge
- Intel® Core™ and Intel® Xeon® CPUs enable real-time video frame processing pipelines
- On-device AI keeps video data local, ensuring privacy compliance
- Intel's modular edge stack scales across diverse camera deployments

Intel Products and Technologies

- [Intel® Core™ Processors](#)
- [OpenVINO™ toolkit](#)

Ordering Guidance:

- [Contact Us](#)

Country/Geo: Worldwide

Edge Verticals: Video Safety & Critical Infrastructure; Retail; Health & Life Sciences

Edge Use Cases: Public Safety & Enterprise Security; Smart Buildings; Video Analytics; Self-Checkout; Loss Prevention; Shopper Behavior; Image Analysis

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