



Facial Analysis Engine

Accelerator type: Accelerator building block

A key task in many biometric applications is to analyze the appearance of a detected face in an image or video sequence. For example, in a retail analytics application, identifying shopper sentiment from their facial expressions can help quantify the effectiveness of digital marketing. This accelerator consists of a feature detector and classifier tuned specifically for tasks involving the analysis and classification of human faces

Accelerator detail: This accelerator solution provides real-time facial analysis capabilities, including facial expression recognition. Once the location of a human face has been detected in an image or video sequence, this accelerator can be used to perform face-specific analysis for things like gender and age classification. The accelerator is delivered as a hardware library, software API, and classifier training API.

Competitive advantage

The Facial Analysis Engine leverages hardware acceleration to perform advanced facial feature extraction and classification tasks, while still maintaining the throughput necessary for real-time biometric applications.



For more information, contact

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