SiMa^{ai} | Palette Edgematic™
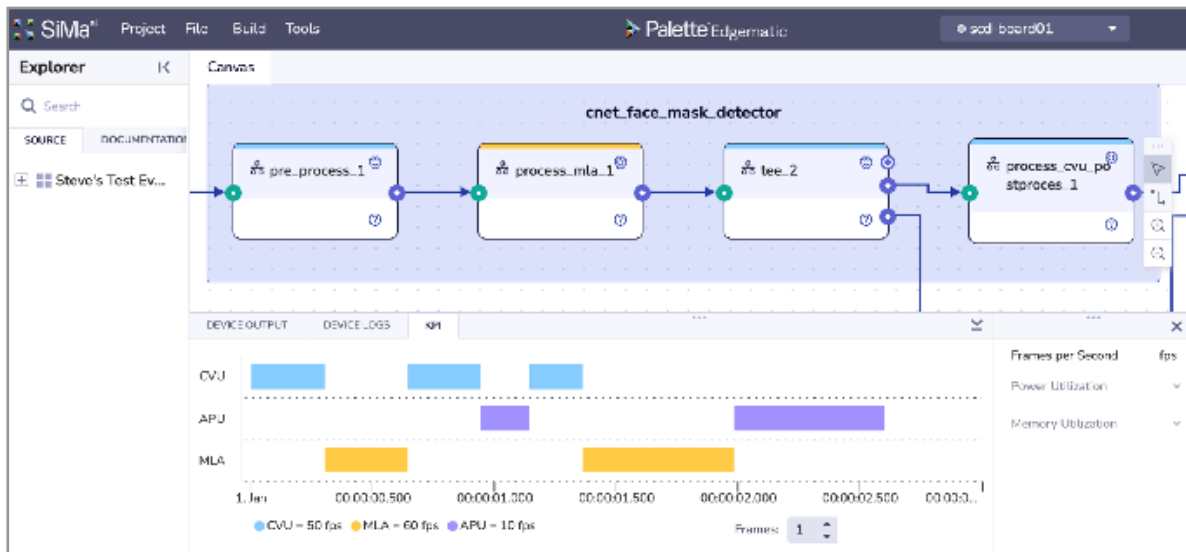

Palette Edgematic Canvas Highlights

SiMa.ai changes the entire approach to effortless ML edge development by delivering a no code, visual programming tool with Palette Edgematic.   Using a canvas to graphically drag and drop models and processing elements provides a developer with a methodology to create a computer vision pipeline in minutes. Using Edgematic users evaluate the extensive SiMa.ai library of ML models and application pipelines with push button compilation and deployment capability. The pipelines are built using the Model Library and pre and post processing plug-ins from the catalog in the associated window in the Edgematic Canvas. This no code capability extends to plug-ins for data source and sinks to run data sets through actual edge devices, evaluating their KPIs, and then modifying and iterating these pipelines without detailed embedded programming.

Model Library

Palette Edgematic provides a reference library of quantized, compiled and optimized models targeting common ML network models. Execute over 120 different models covering object detection, segmentation, tracking, classification, then evaluate their Key Performance Indicators (KPIs) in minutes on actual silicon.

Example ML Networks Supported

- Deepseek
- Resnext
- YOLO v9
- VGG
- MobileNet
- densenet
- Inception
- Centernet
- rcnn
- Squeezenet
- Open Pose

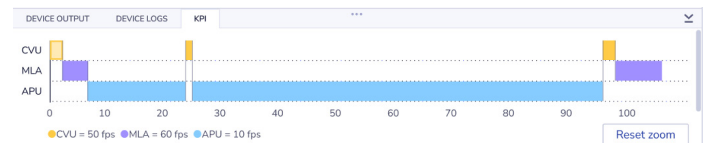## ML Application Graphical Development

- End-to-end application performance analysis

- Analyze your target application running on the MLSoC

- Library of Computer Vision (CV) plugins

- Build End-to-End applications

- Download & Deploy locally

Application Library

Palette provides a reference library of application pipelines targeting common use cases. These include:

- Object detection

- People tracking

- Open-pose

- Multi-camera applications

KPI Profiler

- Visually analyze multi-core utilization

- Utilize for efficient pipeline mapping

Palette Edgematic hosted on AWS Cloud.
Contact palette@sima.ai for more information.

About SiMa.ai

SiMa.ai is a machine learning company delivering the industry's first software centric purpose-built MLSoC platform. For more information, visit www.SiMa.ai.

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