SAE QTQUICKDETECT

Recette du sprint 4

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Client: M. Le Lain
Responsable projet : Mt. Pham

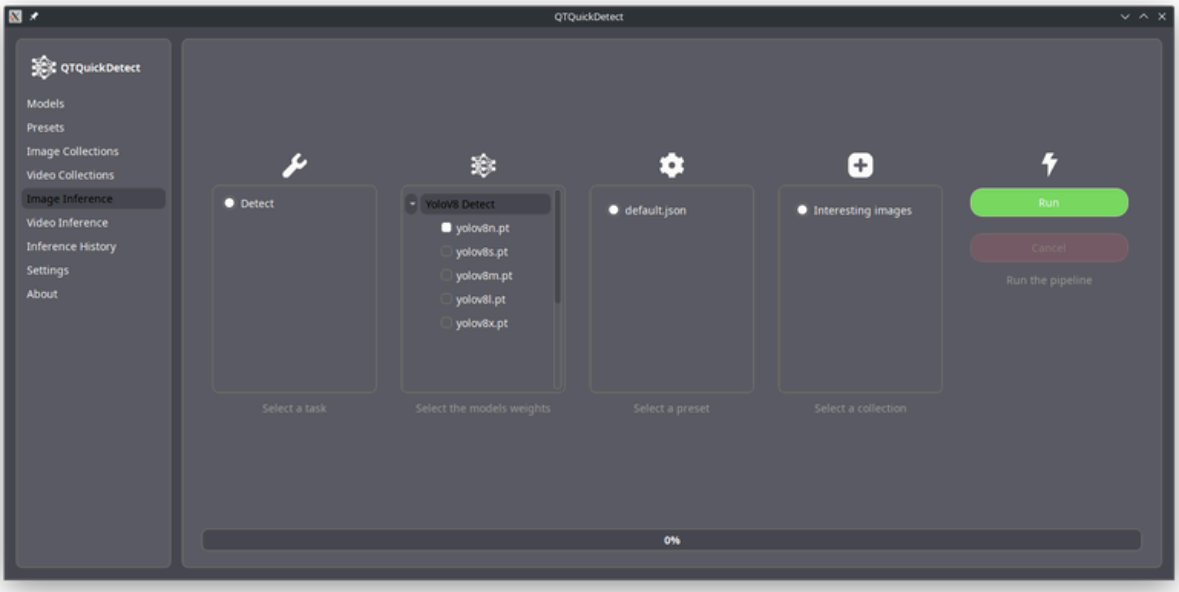
Recette du sprint 4

Objectifs Initiaux :

- Finaliser l'interface utilisateur
- Ajouter les fonctionnalités restantes (segmentation, classification et estimation de pose)
- Ajouter plus de modèles
- Supporter la webcam

Sprint 4 - Bilan

- Fonctionnalités de : Segmentation, Classification, Détection, Estimation de Pose
- Documentation
- Tests fonctionnels & unitaires
- Support pour les images, vidéos, livestreams & webcams
- Plus de 30 familles de modèles supportées
- Accélération matérielle
- Installation aisée via pip
- Site internet de téléchargement



Recette du sprint 4

```
pip install .
```

You may also install the test dependencies by activating the `test` extra.

Important Notes for GPU Acceleration

GPU acceleration is supported for Nvidia users. Please install CUDA-enabled `torch 2.3.x` and `torchvision 0.18.x`, as per the instructions on the PyTorch website. You may install the GPU-enabled torch builds before or after installing QtQuickDetect.

You will then have access to the device selection dropdown in the presets tab.

Documentation

For detailed information on how to use QtQuickDetect, please refer to our comprehensive documentation:

View Documentation

Download

Download the latest version (.zip)

How to Use

To start using QtQuickDetect, download the version corresponding to your operating system, extract the archive, and run the application.

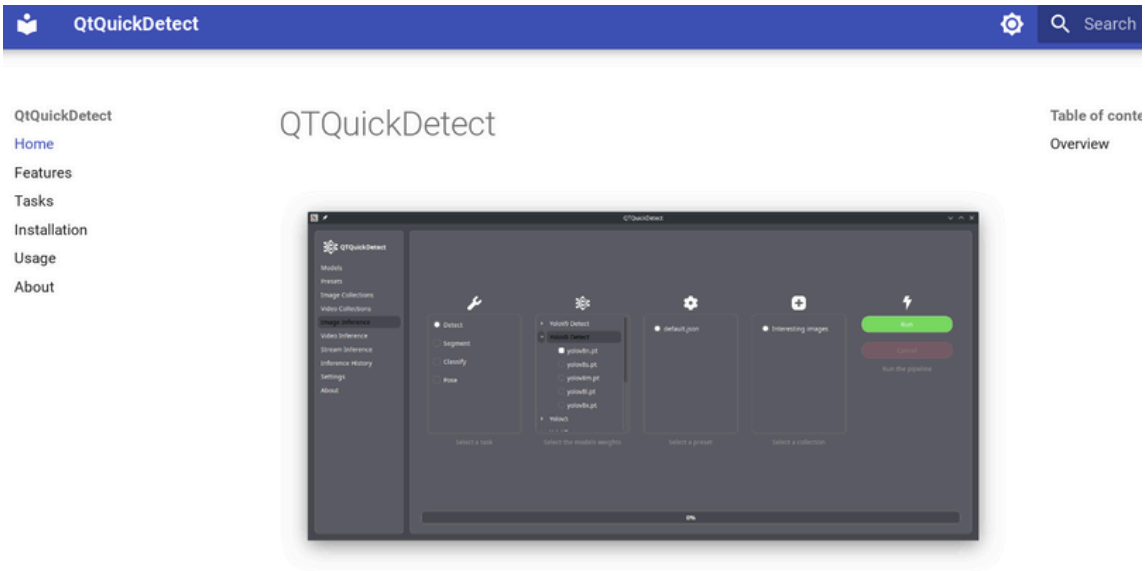
For Linux: Execute the file `run-linux.sh`. If it is your first time, choose whether you want to install CUDA (for machines with an NVIDIA GPU).

For Windows: Execute the file `run-windows.bat`. If it is your first time, choose whether you want to install CUDA (for machines with an NVIDIA GPU).

Source Code

The source code of the application is available on GitLab.

Authors



QTQuickDetect is a powerful application designed to compare and evaluate the performance of different deep learning models for object detection, segmentation, classification, and pose estimation. This user-friendly tool allows you to analyze images, videos, and live streams with

Index