ONNX Pre-processing WG

Monthly meeting - April 19, 2023

Agenda

- Status
- Image decoding operator
- Porting (more) preprocessing models

Status

PRs:

[MERGED] Add a way to load a composite model (preprocessing + network) via onnx.hub https://github.com/onnx/onnx/pull/4976

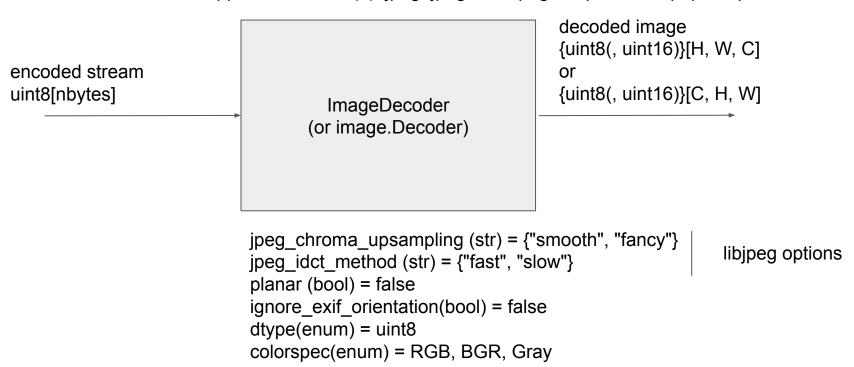
[MERGED] Add ResNet preprocessing model https://github.com/onnx/models/pull/594

[MERGED] Fix support for negative axes in Pad and CenterCropPad https://github.com/onnx/onnx/pull/5007

[Pending] Using ONNX parser in SequenceMap tutorial https://github.com/onnx/tutorials/pull/277

Image decoder operator

supported formats (?): jpeg, jpeg2000, png, bmp, tiff, webp, pnm, pbm



Porting (more) preprocessing models

Port preprocessing models from

https://github.com/microsoft/onnxruntime-extensions/blob/main/onnxruntime_extensions/tools/add_pre_post_processing_to_model.pv

- imagenet_preprocessing (same as published ResNet?)
- mobilenet
- superresolution

Other:

- NLP
- Audio
- SSD
- Mask R-CNN

Open floor