

Possible app workflow

App start image processing and do that continuously..

It can process video or separate photos.

That images should be processed by OpenCV at the phone, no sending data to any remote server.

Every time you should detect the pallet and its orientation. Each pallet has predefined size (for example 100cm x 90cm) and used to calibrate coordinates (0, 0) to (width/length) for future processing.

You should detect all four corners of the pallet aligned on base view (ground).

Next detect all shapes we have on the photo and all barcodes inside that shapes.

Labels (barcodes) can fail to detect.

As result we should receive list of objects with size (in cm), coordinates (related to the pallet) and recognized barcode for each detected shape.

That list of objects you should send to given API for verification.

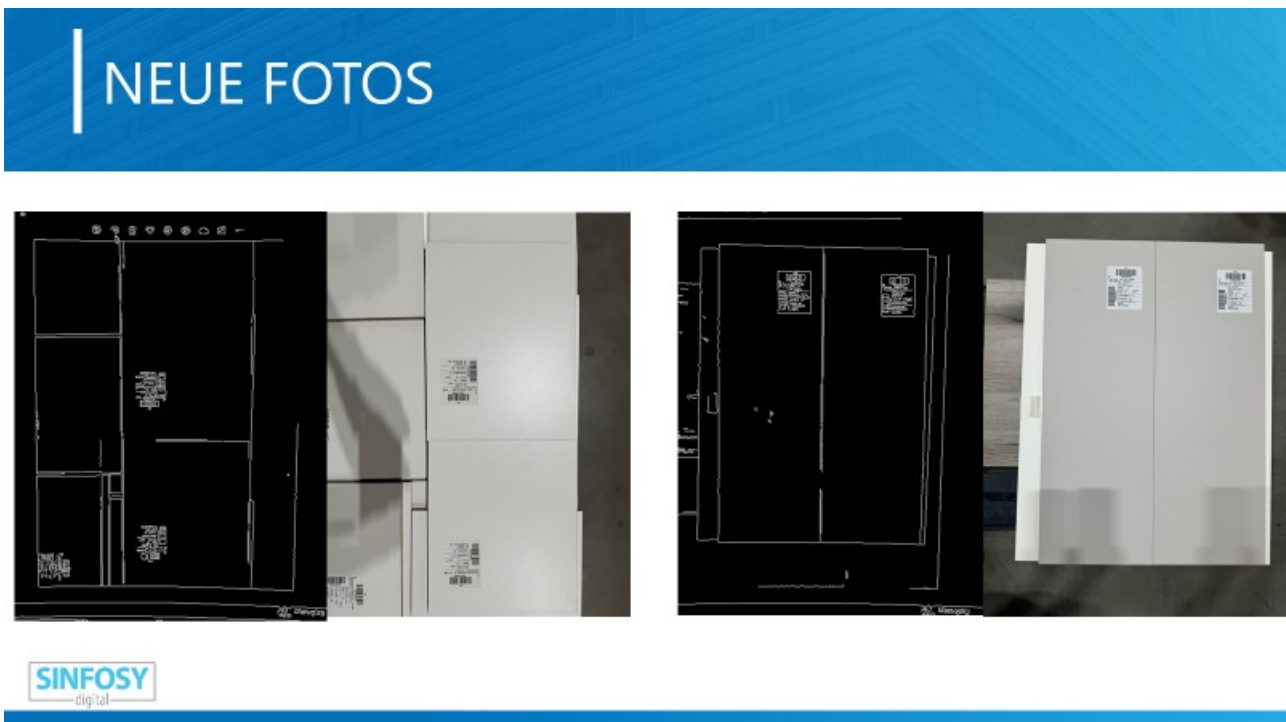
App will be tested that it can do that without operator interaction!

Sample of Android OpenCV app

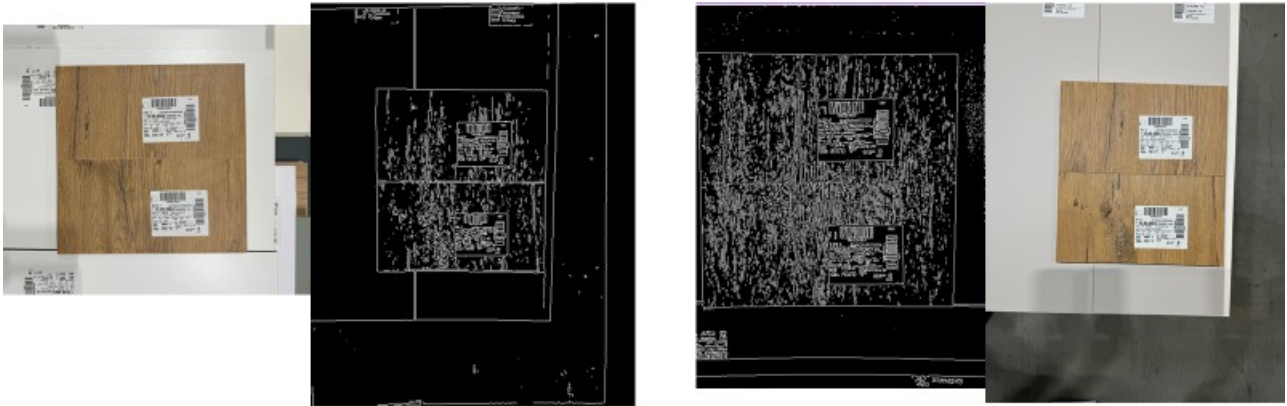
To start working with OpenCV you can try OpenCV Image Process apk from GooglePlay.

https://github.com/momomomo111/camerax_opencv

Sample Image Processing



NEUE FOTOS - 2



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