Alpha1

File Setup

Copy the INDIface directory and all of its children to the root directory on Windows of your choice.

Directory Setup

- /INDIface
  - /bin
    - /win64V-bin-v6.16-Alpha1-release
      - contains the IfSearch6executable and all of its needed DLLs
    - /log
      - detailed logs will be written here for each run
    - /plugins/imageformat
      - support files for reading image formats beyond `.BMP` and `.PNG`, such as `.JPG`.
    - /detectors
      - contains Haar object detector cascades
    - /data
      - contains INDIface resource data file sets (to be used next week)
  - /doc
    - contains this and other documentation
  - /INDIin
    - /console
      - contains a few sample images
  - /INDIout
    - /console
      - /D20210515-T0256-sample
        - contains sample results of processing the console input directory
      - future runs will place output here in a timestamp directory
        - /MarkedFrame
          - contains frame images with detected faces (above MinQuality) marked as well as rejected faces with a dashed border
        - /Face
          - contains the marked cropped face output with eyes marked and the normalized face without any markings.
          - *Note: If less than one each left and right eye no normalized face is possible.*

Path

- You may want to add the bin directory to the system `PATH` environment variable.

Running

- Open a command prompt
- `cd \Distrib\INDIface\bin\win64V-bin-v6.16-Alpha1-release` if yoou have not added this directory to `PATH`
- Run `IfSearch6` with any desired command line options

Command Line Options

Face Object Grouping

- `/Frame/ObjectDetection/Grouping`
  - `MinQuality=`{PerMille}
    - default: 500‰

Object Detection Resources

- `/Resources/ObjectDetection`
  - `BaseDir=`
    - default: `../detectors`
  - `/FaceFrontalFull`
    - CascadeXmlFile=
      - default: `v4/haarcascade_frontalface_alt.Xml`
  - /EyeEither
    - CascadeXmlFile=
      - default: `v4/haarcascade_eye.Xml`