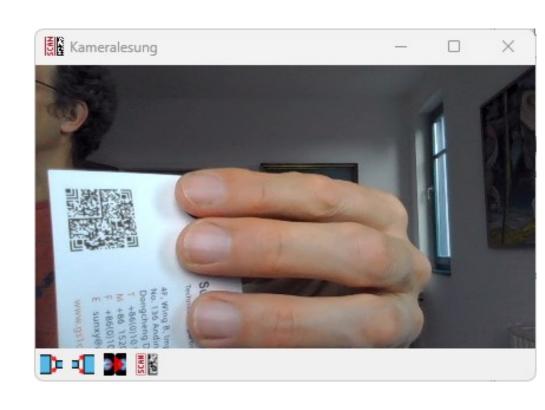
Webcam Tk barcode scanner on MS-Windows platform

- Company Elmicron
- Webcam capture
- Decode image
- Invoke decoding
- Demo



Harald.Oehlmann@elmicron.de Berlin/Germany Chat: oehhar, Wiki: hao



Company Elmicron

Auto ID

→ Barcode and RFID

→ ISO Standards

5 Employees

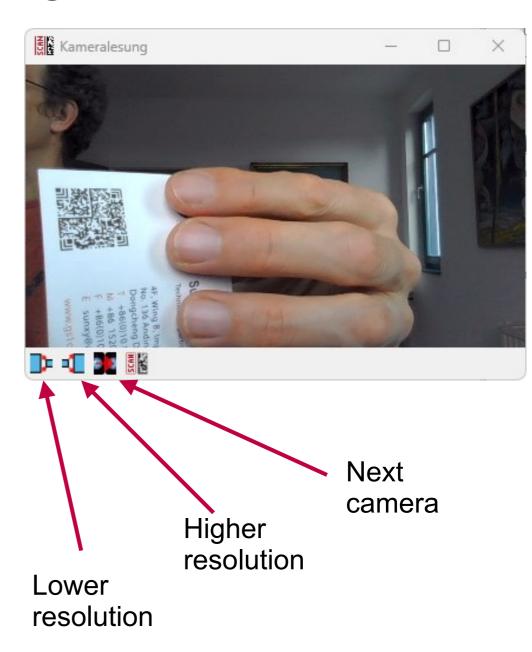
TclDevKit Licence





Webcam image capture

- Androwish/Undroidwish has all you need:
 - https://androwish.org/home/file?name=assets/zbartool0/zbartool.tcl
- Grab from webcam:
 - tclwmf (Windows)
 - tcluvc (Unix/MacOS?)
- Camera and resolution management
- Callback shows captured image and starts barcode decode
- -> Thanks Christian!



BC decode on tk image

- Androwish/Undroidwish uses zbar decoder.
- Chrsitian has added a threaded background decode mechanism with time management to have only one decode running.
- Unfortunately, zbar is very limitted in features
- Project zxing-cpp has rich feature decoder. Unfortunately, Christian does not like C++20 source code...
- Framework by Christian was adopted to this decoder: https://github.com/oehhar/zxing-c pp-wrapper-tcl

Invoke decode

- Program is in background and decode should be started by a gui element on a tablet computer.
- Two solutions:
- Tap on the taskbar entry
- Tap on a flying window



-> Demo will show all this