

Image Knowledge Builder is an application to train and validate image recognition engines based on the CogniMem technology. It interfaces with the V1KU board through its USB interface. From its simple user-interface, you can adjust the video acquisition settings, select and teach examples of objects, and monitor and validate the accuracy of recognition on new images.

### Features

- View live video, take snapshots or load image files
- Configure the sensor settings (gain, shutter, etc)
- Define the size of the region of interest
- Teach up to 1024 categories of objects
- Monitor a region of interest with an option to record images based on the recognized category
- Activate the output lines of the camera
- Save the knowledge you have built by teaching examples

### Applications

- Presence/Absence detection
- Industrial part inspection
- Object identification and classification
- Event detection
- Recognition of a cooperative target
- Selective image recording

