

SETUP and USE

Main components of the executable:

- Python 3.5
- OpenCV 3.4.0 (python)
- Pyopengl
- GLUT dlls

1. If using Android Smartphone, install DroidCam:

Android application:

<https://play.google.com/store/apps/details?id=com.dev47apps.droidcam&hl=en>

Windows Client:

<http://www.dev47apps.com/droidcam/windows/>

On Android, enable USB Debugging under *Settings > Developer Options*.

After connecting the devices - PC and Smartphone – run DroidCam on both devices to get video feed.

2. Run the provided DM6121_Asgn2.exe executable.
3. Provide image file option or file name (full path included).
4. Two windows will open up: a) the mesh view window; b) the gesture view OpenCV window.
5. Move hand within the *white rectangle* shown in the OpenCV window.
Please use gestures as mentioned in the report.
During rotation, a *yellow point* will indicate the tracker.
During scaling, the *area of the contour* indicates the amount of scaling.
6. To close the interface, cover/block the camera with palm or fist.