

Instructions to get the android camera tutorial application on your phone

*First we have to access the package containing the camera available in the following address under the name AndroidCameraTutorial

<http://code.in.tum.de/indefero/index.php/p/seie2011fall/source/tree/HEAD/zahir>

*You have to make sure that the versions of rosjava_core and android_core follow these changesets
rosjava_core changeset 888:46c4643556c9, android_core changeset: 131:3b4439e26199. You do that
by going with roscd to the package, for example roscd rosjava_core and then type : hg update -r
888:46c4643556c9

Same procedure for android_core

*Once you downloaded the package and put it in the ros_workspace, type :

roscd AndroidCameraTutorial

and

rosmake --thread=1

*You need to connect at this point the phone to the desktop computer by the usb cable

*After that, you need to build the package with **Ant** using the command : ant

* we have to enable the usb debugging in the phone too in settings → applications → development →
USB debugging

*Now, that we connected the phone via USB, we have to localize the number of the usb bus taken by
the device, for that we do :

adb usb

and

lsusb

lsusb used to show the list of usb devices connected to the desktop computer

*Once we have localized the ID of the phone, we change the rights on it to allow writing by executing
the following command :

sudo chmod a+w /dev/bus/usb/001/number_of_the_phone

*To install the package on the phone, we should do the following command : ant install

* Once the application is running, you have to run ifconfig on the computer that the rosmaster is
running on to get its IP address. Once you get the IP address, you enter it in the field given by the
application.