Getting started:

Prerequisite:

* Ubuntu system (preferably 12.04) with Python 2.7 or 2.6, jdk, and tizen sdk installed.
* Set 'tizen-sdk/tools' path to your system environment PATH variable.

1. Download SmartAT release package: runner.tar.gz
2. In your Home folder, create a new folder called “test” and extract the downloaded package into this folder. The extraction process will create a sub-folder called “runner”.
3. Setting up or checking the system:
4. In your Linux terminal, go to /'Home/test/runner'. Type in “python install.py”. This will check your OS, JDK and openCV version. Make sure they are all successfully set up.
5. If your system is Ubuntu '12.04' or later, you will also need to install a library by executing:
   * sudo apt-get install libjpeg62
6. If your system is Ubuntu '12.10', you will have to go to either '/usr/lib/x86\_64-linux-gnu' or '/usr/lib/i386-linux-gnu' look to see what is the latest version of 'libtiff.so' you are using. Then, you make an s-link to point 'libtiff.so.4' to the newest version on your system. For example, the command for me was:

sudo ln –s /usr/lib/i386-linux-gnu/libtiff.so.5.1.0 /usr/lib/i386-linux-gnu/libtiff.so.4

1. Set up your test device
2. Connect your test device to the host USB port and make sure your device is connected by issuing the sdb command “sdb devices” in you Linux terminal.
3. Manually setup your device as followed:

* Flash your Tizen device to build version '20130215.1'
* Unlock the device screen
* Set the data&time of the device the same as the PC
* Set Backlight time to MAX value

Settings > More system settings > Display > Backlight time

* Connect to a WIFI network on device
* Sign in Email with an available account
* Push multimedia files to devices as test resources.

sdb push

* Open a new Linux terminal . Go to '/home/test/runnner'. Install GASClient on your device by executing:

sdb push GASClient-0.1.0-1.i586.rpm /

sdb shell rpm -ivh GASClient-0.1.0-1.i586.rpm

1. Now open a new Linux terminal and cd to /Home/test/runner. Make sure your test device is connected and unlock your device screen. Now type in:

runner runtest.py --product tizen\_sample

1. The run log is located in “/Home/test/runner/report/[time-stamped file name]”

Test result will display on your executing terminal.

All failures log located in the “/Home/test/runner/report/[time-stamped file name]/fail” directory.