

ArcLib Python Testing API

Interactive use:

```
>>> from ArcLib import *
>>> init(tim.lod.0x04_0x8C_20V_straight)
>>> camera_open()
>>> set_memory_map(1048576)
>>> set_row_col(100, 100, 1, 1)
>>> set_subframe_size(0, 100, 100)
>>> set_subframe_position(230 220)
>>> stop_idle()
>>> set_image_parameters(0x10, 1, 1, 1)
>>> set_exposure_time(160)
>>> start_exposure()
>>> start_idle()
>>> display_image(100, 100, 0)
>>> camera_close()
```

Programmatic use:

Import ArcLib as al

Load timing DSP and open the camera.

al.init(tim.lod.0x04_0x8C_20V_straight)

al.camera_open()

Set memory map and row_col.

al.set_memory_map(1048576)

al.set_row_col(100, 100, 1, 1)

Take five images with the camera, starting in the lower left and

moving up and to the right 50 pixels with each subsequent image.

for i in range(5):

 al.set_subframe_size(0, 100, 100)

 al.set_subframe_position(i*50, i*50)

 al.stop_idle()

 al.set_image_parameters(0x10, 1, 1, 1)

 al.set_exposure_time(160)

 al.start_exposure()

 al.start_idle()

 al.save_image_as_fits("image" + str(i))

al.camera_close()