Wrapper for fast shutter
User's Guide

FastShutter Class

Revision: FastShutter-Release_2_0 - Author: meyer
Implemented in C++ - CVS repository: ESRF

Introduction:

The class wraps the microdiff attributes for the fast shutter handling into one device with a proper state and commands.

Class Inheritance:

- Tango::Device_4Impl
  - FastShutter

Properties:

Device Properties

Property name	Property type	Description
Microdiff_name	Tango::DEV_STRING	Name if microdiff device

Device Properties Default Values:

Property Name	Default Values
Microdiff_name	No default value

There is no Class properties.

States:

States	
Names	**Descriptions**
UNKNOWN	State is unknown. No connection with microdiff server.
OPEN	The shutter is open.
CLOSE	The shutter is closed.

Commands:

More Details on commands....

Device Commands for Operator Level

Command name	Argument In	Argument Out
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING
Open	DEV_VOID	DEV_VOID
Close	DEV_VOID	DEV_VOID

1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection.
  After an Init command executed on a device, it is not necessary for client to re-connect to the device.
  This command first calls the device *delete_device()* method and then execute its *init_device()* method.
  For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
  The language device desctructor automatically calls the *delete_device()* method.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  DEV_VOID : none.

- **Command allowed for:**
- Tango::UNKNOWN
- Tango::OPEN
- Tango::CLOSE

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  DEV_STATE : State Code

- **Command allowed for:**
- Tango::UNKNOWN
- Tango::OPEN
- Tango::CLOSE

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  CONST_DEV_STRING : Status description

- **Command allowed for:**
- Tango::UNKNOWN
- Tango::OPEN
- Tango::CLOSE

4 - Open

- **Description:** Open the shutter

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
- Tango::UNKNOWN
- Tango::OPEN
- Tango::CLOSE

5 - Close

- **Description:** Close the shutter

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
- Tango::UNKNOWN
- Tango::OPEN
- Tango::CLOSE