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DvG_QDeviceIO.py
v0.0.8
```

Dependencies: numpy PyQt5 DvG debug functions

```
<<PyQt5.QtCore.QObject>>
ODeviceIO
 <<PyOt5.OtCore.pyqtSignal>>
 signal DAQ updated()
 signal send updated()
 signal DAQ paused()
 signal_connection_lost()
 dev
             : {linked I/O device class}
             : str
   .name
             : PvOt5.OtCore.OMutex()
   .mutex
   .is alive : bool
 worker DAO : ODeviceIO.Worker DAO()
 worker send : QDeviceIO.Worker send()
 update counter DAQ
 update counter send
 not alive counter DAQ
 obtained DAQ interval ms
 obtained_DAQ_rate_Hz
  init ()
 attach device(dev)
 create worker DAQ(**kwargs)
 create worker send(**kwargs)
 start(
    DAO priority: PyOt5.OtCore.OThread.Priority,
    send priority: PyOt5.OtCore.OThread.Priority)
 quit()
 pause DAQ()
 unpause DAQ()
 wake up DAO()
 send(instruction, pass args)
 add to send queue(instruction, pass args)
 process send queue()
```

```
@InnerClassDescriptor
                                                                     @InnerClassDescriptor
<<PyOt5.OtCore.OObject>>
                                               <<PyOt5.OtCore.OObject>>
QDeviceIO.Worker send
                                               QDeviceIO.Worker DAQ
                                                             : {linked I/O device class}
              : {linked I/O device class}
 dev
                                                DAO function : function
 jobs function : None | function
                                                 critical not alive count : int
 DEBUG
              : bool
                                                 calc DAQ_rate_every_N_iter : int
 DEBUG_color : None | str
                                                 DEBUG
                                                             : bool
 init (
    jobs function : function,
                                                 DEBUG color : None | str
    DEBUG
                 : bool)
                                                 init (
 do work()
                                                   DAQ trigger
                                                                 : DAQ trigger,
 perform send()
                                                   DAO function : function,
 stop()
                                                   DAO interval ms : int,
 add to queue(instruction, pass args)
                                                   DAO timer type : PyOt5.QtCore.Qt.TimerType,
 process queue()
                                                   critical not alive count : int,
 queued instruction(instruction, pass args)
                                                   calc DAQ rate every N iter : int | str,
                                                                             : bool)
                                                   DEBUG
                                                 do work()
                                                 perform DAQ()
               @enum.unique
                                                 stop()
                                                 pause()
      <<enum.IntEnum>>
                                                unpause()
      DAQ trigger
                                                wake_up()
       INTERNAL TIMER
       SINGLE SHOT WAKE UP
```

CONTINUOUS