ioctl VIDIOC_G_PRIORITY, VIDIOC_S_PRIORITY

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\(linux-master)(Documentation)(userspace-api)(media)(v4l)vidioc-g-priority.rst`, line 2)

Unknown directive type "c:namespace".

```
.. c:namespace:: V4L
```

Name

VIDIOC_G_PRIORITY - VIDIOC_S_PRIORITY - Query or request the access priority associated with a file descriptor

Synopsis

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\(linux-master)(Documentation)(userspace-api)(media)(v4l)vidioc-g-priority.rst`, line 18)

Unknown directive type "c:macro".

```
.. c:macro:: VIDIOC_G_PRIORITY
```

```
int ioctl(int fd, VIDIOC_G_PRIORITY, enum v4l2_priority *argp)
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\(linux-master)(Documentation)(userspace-api)(media)(v4l)vidioc-g-priority.rst`, line 22)

Unknown directive type "c:macro".

```
.. c:macro:: VIDIOC_S_PRIORITY
```

```
int ioctl(int fd, VIDIOC_S_PRIORITY, const enum v4l2_priority *argp)
```

Arguments

fd

File descriptor returned by :c:func:`open()`.

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Unknown interpreted text role "c:func".

argp

Pointer to an enum :c:type:`v4l2_priority` type.

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Unknown interpreted text role "c:type".

Description

To query the current access priority applications call the :ref:`VIDIOC_G_PRIORITY <VIDIOC_G_PRIORITY>` ioctl with a pointer to an enum v4l2_priority variable where the driver stores the current priority.

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Unknown interpreted text role "ref".

To request an access priority applications store the desired priority in an enum v4l2_priority variable and call :ref:`VIDIOC_S_PRIORITY <VIDIOC_G_PRIORITY>` ioctl with a pointer to this variable.

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Unknown interpreted text role "ref".

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Unknown directive type "c:type".

```
.. c:type:: v4l2_priority
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\(linux-master)(Documentation)(userspace-api)(media)(v4l)vidioc-g-priority.rst`, line 48)

Unknown directive type "tabularcolumns".

```
.. tabularcolumns:: |p{6.6cm}|p{2.2cm}|p{8.5cm}|
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v4l\(linux-master)(Documentation)(userspace-api)(media)(v4l)vidioc-g-priority.rst`, line 50)

Unknown directive type "flat-table".

```
.. flat-table:: enum v4l2_priority
   :header-rows:  0
   :stub-columns: 0
   :widths:       3 1 4

   * - ``V4L2_PRIORITY_UNSET``
     - 0
     -
   * - ``V4L2_PRIORITY_BACKGROUND``
     - 1
     - Lowest priority, usually applications running in background, for
       example monitoring VBI transmissions. A proxy application running
       in user space will be necessary if multiple applications want to
       read from a device at this priority.
   * - ``V4L2_PRIORITY_INTERACTIVE``
     - 2
     -
   * - ``V4L2_PRIORITY_DEFAULT``
     - 2
     - Medium priority, usually applications started and interactively
       controlled by the user. For example TV viewers, Teletext browsers,
       or just "panel" applications to change the channel or video
       controls. This is the default priority unless an application
       requests another.
   * - ``V4L2_PRIORITY_RECORD``
     - 3
     - Highest priority. Only one file descriptor can have this priority,
       it blocks any other fd from changing device properties. Usually
       applications which must not be interrupted, like video recording.
```

Return Value

On success 0 is returned, on error -1 and the `errno` variable is set appropriately. The generic error codes are described at the

:ref:`Generic Error Codes <gen-errors>` chapter.

EINVAL
> The requested priority value is invalid.

EBUSY
> Another application already requested higher priority.