ioctl VIDIOC_G_JPEGCOMP, VIDIOC_S_JPEGCOMP

> **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-jpegcomp.rst`, line 2)**
>
> Unknown directive type "c:namespace".
>
> ```
> .. c:namespace:: V4L
> ```

Name

VIDIOC_G_JPEGCOMP - VIDIOC_S_JPEGCOMP

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-jpegcomp.rst`, line 18)**
>
> Unknown directive type "c:macro".
>
> ```
> .. c:macro:: VIDIOC_G_JPEGCOMP
> ```

```
int ioctl(int fd, VIDIOC_G_JPEGCOMP, v4l2_jpegcompression *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-jpegcomp.rst`, line 22)**
>
> Unknown directive type "c:macro".
>
> ```
> .. c:macro:: VIDIOC_S_JPEGCOMP
> ```

```
int ioctl(int fd, VIDIOC_S_JPEGCOMP, const v4l2_jpegcompression *argp)
```

Arguments

fd

> File descriptor returned by :c:func:`open()`.
>
> > **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-jpegcomp.rst`, line 30); *backlink***
> >
> > Unknown interpreted text role "c:func".

argp

> Pointer to struct :c:type:`v4l2_jpegcompression`.
>
> > **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-jpegcomp.rst`, line 33); *backlink***
> >
> > Unknown interpreted text role "c:type".

Description

These ioctls are **deprecated**. New drivers and applications should use :ref:`JPEG class controls <jpeg-controls>` for image quality and JPEG markers control.

[to do]

Ronald Bultje elaborates:

APP is some application-specific information. The application can set it itself, and it'll be stored in the JPEG-encoded fields (eg; interlacing information for in an AVI or so). COM is the same, but it's comments, like 'encoded by me' or so.

jpeg_markers describes whether the huffman tables, quantization tables and the restart interval information (all JPEG-specific stuff) should be stored in the JPEG-encoded fields. These define how the JPEG field is encoded. If you omit them, applications assume you've used standard encoding. You usually do want to add them.

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.