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`.

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>
> 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.

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Unknown directive type "tabularcolumns".

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

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Unknown directive type "flat-table".

```
.. flat-table:: JPEG Markers Flags
    :header-rows:  0
    :stub-columns: 0
    :widths:       3 1 4

    * - ``V4L2_JPEG_MARKER_DHT``
      - (1<<3)
      - Define Huffman Tables
    * - ``V4L2_JPEG_MARKER_DQT``
      - (1<<4)
      - Define Quantization Tables
    * - ``V4L2_JPEG_MARKER_DRI``
      - (1<<5)
      - Define Restart Interval
    * - ``V4L2_JPEG_MARKER_COM``
      - (1<<6)
      - Comment segment
    * - ``V4L2_JPEG_MARKER_APP``
      - (1<<7)
      - App segment, driver will always use APP0
```

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.

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Unknown interpreted text role "ref".