

ioctl MEDIA_IOC_REQUEST_ALLOC

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\mediactl\linux-master) (Documentation) (userspace-api) (media) (mediactl)media-ioc-request-alloc.rst, line 2)

Unknown directive type "c.namespace".

```
.. c:namespace:: MC
```

Name

MEDIA_IOC_REQUEST_ALLOC - Allocate a request

Synopsis

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Unknown directive type "c.macro".

```
.. c:macro:: MEDIA_IOC_REQUEST_ALLOC
```

```
int ioctl(int fd, MEDIA_IOC_REQUEST_ALLOC, int *argp)
```

Arguments

fd

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

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argp

Pointer to an integer.

Description

If the media device supports `ref:requests <media-request-api>`, then this ioctl can be used to allocate a request. If it is not supported, then `errno` is set to `ENOTTY`. A request is accessed through a file descriptor that is returned in `*argp`.

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If the request was successfully allocated, then the request file descriptor can be passed to the `ref:VIDIOC_QBUF <VIDIOC_QBUF>`, `ref:VIDIOC_G_EXT_CTRL <VIDIOC_G_EXT_CTRL>`, `ref:VIDIOC_S_EXT_CTRL <VIDIOC_G_EXT_CTRL>` and `ref:VIDIOC_TRY_EXT_CTRL <VIDIOC_G_EXT_CTRL>` ioctls.

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In addition, the request can be queued by calling `ref`MEDIA_REQUEST_IOC_QUEUE`` and re-initialized by calling `ref`MEDIA_REQUEST_IOC_REINIT``.

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Finally, the file descriptor can be `ref`polled <request-func-poll>`` to wait for the request to complete.

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The request will remain allocated until all the file descriptors associated with it are closed by `:c:func:`close()`` and the driver no longer uses the request internally. See also `ref`here <media-request-life-time>`` for more information.

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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".

ENOTTY

The driver has no support for requests.