## **Metadata Interface**

Metadata refers to any non-image data that supplements video frames with additional information. This may include statistics computed over the image, frame capture parameters supplied by the image source or device specific parameters for specifying how the device processes images. This interface is intended for transfer of metadata between the userspace and the hardware and control of that operation.

The metadata interface is implemented on video device nodes. The device can be dedicated to metadata or can support both video and metadata as specified in its reported capabilities.

## **Querying Capabilities**

Device nodes supporting the metadata capture interface set the V4L2\_CAP\_META\_CAPTURE flag in the device\_caps field of the ctype: V4l2\_capability` structure returned by the :c:fime: VIDIOC\_QUERYCAP` ioctl. That flag means the device can capture metadata to memory. Similarly, device nodes supporting metadata output interface set the V4L2\_CAP\_META\_OUTPUT flag in the device caps field of :c:type: V4l2\_capability` structure. That flag means the device can read metadata from memory.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 23); backlink

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At least one of the read/write or streaming I/O methods must be supported.

## **Data Format Negotiation**

The metadata device uses the ref. format is select the capture format. The metadata buffer content format is bound to that selected format. In addition to the basic ref. format is octls, the reflect the capture format. In addition to the basic ref. format is octls, the reflect that selected format is bound to that selected format. In addition to the basic ref. format is octls, the reflect that selected format is bound to that selected format.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 38); backlink

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System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 43); backlink

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System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 43); backlink

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System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 43); backlink

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System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 43); backlink

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 $System\ Message: ERROR/3\ (\mbox{D:\noboarding-resources}\scample-onboarding-resources\linux-master)\ [Documentation]\ [userspace-api]\ [media]\ [v41]\ dev-meta.rst,\ line\ 50)$ 

Unknown directive type "c:type".

```
.. c:type:: v4l2_meta_format
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 52)

Unknown directive type "tabularcolumns".

```
.. tabularcolumns:: |p{1.4cm}|p{2.4cm}|p{13.5cm}|
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\v41\[linux-master] [Documentation] [userspace-api] [media] [v41] dev-meta.rst, line 54)

Unknown directive type "flat-table".