
Subject: which Video Codec is lossless?

Posted by [Markus Schmassmann](#) on Mon, 10 Oct 2016 15:11:46 GMT

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Hello,

I'm trying to make a video using IDLffVideoWrite without losing information due to compression. On the system i use, but where i do not control which codecs get installed, the following are present:

```
IDL> IDLffVideoWrite.GetCodecs(/long_names,/video)
```

```
FLV / Sorenson Spark / Sorenson H.263 (Flash Video)
```

```
GIF (Graphics Interchange Format)
```

```
H.263 / H.263-1996
```

```
MJPEG (Motion JPEG)
```

```
MPEG-4 part 2
```

```
MPEG-4 part 2 Microsoft variant version 2
```

```
MPEG-4 part 2 Microsoft variant version 3
```

```
raw video
```

```
libvpx VP8
```

```
IDL> IDLffVideoWrite.GetCodecs(/video)
```

```
flv
```

```
gif
```

```
h263
```

```
mjpeg
```

```
mpeg4
```

```
msmpeg4v2
```

```
msmpeg4
```

```
rawvideo
```

```
libvpx
```

which should i use?

and what keywords should i set how?

```
oVid = IDLffVideoWrite( Filename [, FORMAT=string])
```

```
vidStream = oVid.AddVideoStream( Width, Height, Fps [, BIT_RATE=Value]
```

```
[, CODEC=string] [, PRESET=string] [, PROFILE=string] [, TUNE=string] )
```

Thanks, Markus

Subject: Re: which Video Codec is lossless?

Posted by [dg86](#) on Tue, 11 Oct 2016 18:01:11 GMT

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On Monday, October 10, 2016 at 11:11:47 AM UTC-4, Markus Schmassmann wrote:

> Hello,

>

> I'm trying to make a video using IDLffVideoWrite without losing
> information due to compression. On the system i use, but where i do not
> control which codecs get installed, the following are present:
>
> IDL> IDLffVideoWrite.GetCodecs(/long_names,/video)
> FLV / Sorenson Spark / Sorenson H.263 (Flash Video)
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> MPEG-4 part 2
> MPEG-4 part 2 Microsoft variant version 2
> MPEG-4 part 2 Microsoft variant version 3
> raw video
> libvpx VP8
> IDL> IDLffVideoWrite.GetCodecs(/video)
> flv
> gif
> h263
> mjpeg
> mpeg4
> msmpeg4v2
> msmpeg4
> rawvideo
> libvpx
>
> which should i use?
> and what keywords should i set how?
>
> oVid = IDLffVideoWrite(Filename [, FORMAT=string])
> vidStream = oVid.AddVideoStream(Width, Height, Fps [, BIT_RATE=Value]
> [, CODEC=string] [, PRESET=string] [, PROFILE=string] [, TUNE=string])
>
> Thanks, Markus

I believe the only lossless choice in your list is "rawvideo". This also has
no compression. Expect large video files.

All the best,

David

Subject: Re: which Video Codec is lossless?
Posted by [Craig Markwardt](#) on Thu, 13 Oct 2016 21:04:21 GMT
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Animated GIF should be lossless, if you can live with a single 255-color palette.
