NAME

movimdec - MovIm decoder

SYNOPSIS

movimdec [input_options] **-i** *input_file* [decoding_options] [output_options] **-o** *output_file*

movimdec -h

DESCRIPTION

MovIm is a video codec specifically designed for both conservation and restoration of moving images.

The **MovIm** package includes the **libmovim** C library implementing the **MovIm** video codec and its associated **movimenc**, **movimdec** and **movimplay** utilities, as well as the **openmovim** Bash command-line interface allowing to encode, decode, play and analyse virtually any moving images.

movimdec is a **MovIm** decoder.

OPTIONS

GENERAL OPTIONS

-i *input_file*, **--input=**_input_file_

The uncompressed or lossless compressed MovIm data can be used directly as a file (.movim). This format is directly inspired from FFmpeg's NUT container.

-o *output_file*, **--output=**_output_file_

All container formats and video codecs supported by FFmpeg should work.

INPUT AND OUTPUT OPTIONS

--flip=(*vertical*|*horizontal*)

flip the image on the *vertical* or *horizontal* axis

This option may be repeated.

--rotate=_angle_

angle of counterclockwise rotation in degrees, expressed as an integer or a real number

This option may be repeated.

--lut[**:**_channel_]**=**_path_

path to an 1D LUT or a 3D LUT to apply

LUTs can be applied to the input file and/or the output file. Moreover a LUT can be applied to the whole file (default) or only to a single *channel*.

This option may be repeated.

For 1D LUT, which transforms e.g. from floating-point scene linear into camera log or a display-referred space, the maximum allowed size is currently 16'777'216, i.e. 24-bit precision.

DECODING OPTIONS

--demosaic=(*BLI*|*BCI*|*LR*|*VNG*|*SI*|*PG*|*AMZE*|*HQLI*|*AHD*|*DLMMSEE*)

demosaic a Bayer-encoded *input_file*

This option allows to choose between different demosaicing algorithms, because the results may vary a lot, depending on the image content.

INFORMATIVE OPTIONS

-h, --help

display a help message

--version

display the installed version of **movimdec** in the date-based *YYYY-MM-DD* format and the implemented version of **MovIm** in the semantic *major.minor*[.*patch*] format:

```
movimdec 2024-01-27
MovIm 1.10.2
```

NOTES

      movimdec can also be used to check the validity of MovIm data or to extract the metadata from MovIm data. More information to come.

SEE ALSO

      movimenc(1) and **movimplay**(1); **libmovim**(1); **openmovim**(1).

COPYRIGHT

      Copyright (c) 2014-2024 by Reto Kromer
      Copyright (c) 2022-2024 by Michal Cohen

LICENSE

      The **MovIm** package is released under a 3-Clause BSD License.

DISCLAIMER

      The **MovIm** package is provided "as is" without warranty or support of any kind.