```
-filter_complex_threads number of threads for -filter_complex
ffmpag varsion 5.1.2 Copyright (c) 2008-2022 the FFmpag devalopers
                                                                                                                                                                                                                                    print progress report during encoding
 built with Apple clang version 14.0.0 (clang-1400.0.29.202)
 configuration: --prefix=/usr/local/Cellar/ffmpeg/5.1.2_4 --enable-shared --enable-pthreads --enable-version3 --cc=clang --host-oflags= --host
 ibtesseract --enable-libtheora --enable-libvidstab --enable-libvmaf --enable-libvorbis --enable-libvpx --enable-libmebp --enable-libx264 --enable-lib-vol volume
                                                                                                                                                                                                                                    change audio volume (256=normal)
le-libjack --disable-indev=jack --enable-videotoolbox
                                                                                                                                                                                                         Per-file main options:
                   57. 28.100 / 57. 28.100
  libavutil
                                                                                                                                                                                                         -f fmt
                                                                                                                                                                                                                                    force format
  libavcodec 59. 37.100 / 59. 37.100
                                                                                                                                                                                                         -c codec
                                                                                                                                                                                                                                    codec name
  libayformat 59. 27.100 / 59. 27.100
                                                                                                                                                                                                         -codec codec
                                                                                                                                                                                                                                    codec name
  libaydevice 59. 7.100 / 59. 7.100
                                                                                                                                                                                                         -pre preset
                                                                                                                                                                                                                                    preset name
  libayfilter 8. 44.100 / 8. 44.100
                                                                                                                                                                                                         -map_metadata outfile[,metadata]:infile[,metadata] set metadata information of outfile from infile
  libswscale
                    6. 7.100 / 6. 7.100
                                                                                                                                                                                                         -t duration
                                                                                                                                                                                                                                    record or transcode "duration" seconds of audio/video
  libswresample 4. 7.100 / 4. 7.100
  libpostproc 56. 6.100 / 56. 6.100
                                                                                                                                                                                                         -to time_stop
                                                                                                                                                                                                                                    record or transcode stop time
                                                                                                                                                                                                         -fs limit_size
                                                                                                                                                                                                                                   set the limit file size in bytes
Hyper fast Audio and Video encoder
                                                                                                                                                                                                                                    set the start time offset
                                                                                                                                                                                                         -ss time_off
usage: ffmpeg [options] [[infile options] -i infile]... {[outfile options] outfile}...
                                                                                                                                                                                                                                   set the start time offset relative to EOF
                                                                                                                                                                                                         -sseof time_off
                                                                                                                                                                                                                                   enable/disable seeking by timestamp with -ss
Getting help:
   -h -- print basic options
                                                                                                                                                                                                         -timestamp time — set the recording timestamp ("now" to set the current time)
                                                                                                                                                                                                         -metadata string=string add metadata
    -h long -- print more options
                                                                                                                                                                                                         -program title=string:st=number... add program with specified streams

    -h full -- print all options (including all format and codec specific options, very long)

                                                                                                                                                                                                                                    specify target file type ("vcd", "svcd", "dvd", "dv" or "dv50" with optional prefixes "pal-", "ntsc-" or "film-")
                                                                                                                                                                                                         -target type
    -h type=name -- print all options for the named decoder/encoder/demuxer/muxer/filter/bsf/protocol
                                                                                                                                                                                                          -apad
                                                                                                                                                                                                                                    audio pad
   See man ffmpeg for detailed description of the options.
                                                                                                                                                                                                                                  set the number of frames to output
                                                                                                                                                                                                         -frames number
                                                                                                                                                                                                         -filter filter_graph set stream filtergraph
Print help / information / capabilities:
                                                                                                                                                                                                         -filter_script filename read stream filtergraph description from a file
                          show license
                                                                                                                                                                                                         -reinit_filter
-h topic
                                                                                                                                                                                                                                   reinit filtergraph on input parameter changes
                          show help
                                                                                                                                                                                                         -discard
                                                                                                                                                                                                                                    discard
-? topic
                          show help
-help topic
                          show help
                                                                                                                                                                                                         -disposition
                                                                                                                                                                                                                                    disposition
 -help topic
                          show help
                                                                                                                                                                                                         Video options:
-version
                          show version
-buildconf
                          show build configuration
                                                                                                                                                                                                         -vframes number
                                                                                                                                                                                                                                   set the number of video frames to output
                          show available formats
                                                                                                                                                                                                                                    set frame rate (Hz value, fraction or abbreviation)
 formats
                                                                                                                                                                                                         -r rate
-muxers
                           show available muxers
                                                                                                                                                                                                          -fpsmax rate
                                                                                                                                                                                                                                    set max frame rate (Hz value, fraction or abbreviation)
                          show available demuxers
                                                                                                                                                                                                         -s size
                                                                                                                                                                                                                                    set frame size (MxH or abbreviation)
-demuxers
                          show available devices
                                                                                                                                                                                                                                   set aspect ratio (4:3, 16:9 or 1.3333, 1.7777)
-devices
                                                                                                                                                                                                         -aspect aspect
                          show available codecs
                                                                                                                                                                                                                                    disable video
-codecs
                                                                                                                                                                                                          -vn
-decoders
                          show available decoders
                                                                                                                                                                                                         -vcodec codec
                                                                                                                                                                                                                                    force video codec ('copy' to copy stream)
                          show available encoders
                                                                                                                                                                                                         -timecode hh:mm:ss[:;.]ff set initial TimeCode value.
-encoders
                          show available bit stream filters
-bsfs
                                                                                                                                                                                                                                    select the pass number (1 to 3)
                                                                                                                                                                                                          -pass n
                          show available protocols
-protocols
                                                                                                                                                                                                         -vf filter_graph set video filters
-filters
                          show available filters
                                                                                                                                                                                                         -ab bitrate
                                                                                                                                                                                                                                    audio bitrate (please use -b:a)
                          show available pixel formats
-pix_fmts
                                                                                                                                                                                                         -b bitrate
                                                                                                                                                                                                                                    video bitrate (please use -b:v)
                          show standard channel layouts
 layouts
                                                                                                                                                                                                          -dn
                                                                                                                                                                                                                                    disable data
                          show available audio sample formats
-sample_fmts
-dispositions
                          show available stream dispositions
                                                                                                                                                                                                         Audio options:
                          show available color names
-colors
                                                                                                                                                                                                                                    set the number of audio frames to output
                                                                                                                                                                                                          -aframes number
                         list sources of the input device
-sources device
                                                                                                                                                                                                                                    set audio quality (codec-specific)
                                                                                                                                                                                                         -aq quality
                          list sinks of the output device
-sinks device
                                                                                                                                                                                                         -ar rate
                                                                                                                                                                                                                                    set audio sampling rate (in Hz)
                          show available HM acceleration methods
 -hwaccels
                                                                                                                                                                                                                                    set number of audio channels
                                                                                                                                                                                                          -ac channels
                                                                                                                                                                                                                                    disable audio
                                                                                                                                                                                                          -an
Global options (affect whole program instead of just one file):
                                                                                                                                                                                                         -acodec codec
                                                                                                                                                                                                                                    force audio codec ('copy' to copy stream)
-loglevel loglevel set logging level
                                                                                                                                                                                                                                    change audio volume (256=normal)
                                                                                                                                                                                                         -vol volume
 v loglevel
                          set logging level
                                                                                                                                                                                                          -af filter_graph set audio filters
                          generate a report
-report
-max_alloc bytes - set maximum size of a single allocated block
                                                                                                                                                                                                         Subtitle options:
                          overwrite output files
                                                                                                                                                                                                         -s size
                                                                                                                                                                                                                                    set frame size (MxH or abbreviation)
                          never overwrite output files
                                                                                                                                                                                                                                    disable subtitle
                                                                                                                                                                                                          -sn
-ignore_unknown
                          Ignore unknown stream types
                                                                                                                                                                                                                                    force subtitle codec ('copy' to copy stream)
                                                                                                                                                                                                         -scodec codec
```

→ ffmpeg -h

-filter_threads number of non-complex filter threads

\$ clux subcommands

