

Аргументы и флаги

- Используйте флаги чаще, чем аргументы — флаги можно указывать в любом порядке
- Имена флагов должны быть понятными, но короткими
- У каждого флага должна быть короткая и полная версия (`-h`, `--help`)
- Аргументов не должно быть больше двух
- Чем меньше аргументов и флагов нужно передавать пользователю *по умолчанию* — тем лучше
- Всегда должна быть возможность предоставить инпут неинтерактивно с помощью флагов

```
-h ffmpeg -h
ffmpeg version 5.1.2 Copyright (c) 2000-2022 the FFmpeg developers
  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-cflags= --host-ldflag=
libtesseract --enable-libtheora --enable-libvidstab --enable-libvmaf --enable-libvorbis --enable-libvpx --enable-libwebp --enable-libx264 --enable-libx265 --enable-libz
le-libjack --disable-indev=jack --enable-videotoolbox
  libavutil      57. 28.100 / 57. 28.100
  libavcodec     59. 37.100 / 59. 37.100
  libavformat    59. 27.100 / 59. 27.100
  libavdevice    59.  7.100 / 59.  7.100
  libavfilter    8. 44.100 /  8. 44.100
  libswscale     6.  7.100 /  6.  7.100
  libswresample  4.  7.100 /  4.  7.100
  libpostproc   56.  6.100 / 56.  6.100
Hyper fast Audio and Video encoder
usage: ffmpeg [options] [[infile options] -i infile]... {[outfile options] outfile}...

Getting help:
  -h      -- print basic options
  -h long -- print more options
  -h full -- print all options (including all format and codec specific options, very long)
  -h type=name -- print all options for the named decoder/encoder/demuxer/muxer/filter/bsf/protocol
  See man ffmpeg for detailed description of the options.

Print help / information / capabilities:
-L          show license
-h topic    show help
-? topic    show help
-help topic show help
--help topic show help
-version    show version
-buildconf  show build configuration
-formats    show available formats
-muxers     show available muxers
-demuxers   show available demuxers
-devices    show available devices
-codecs     show available codecs
-decoders   show available decoders
-encoders   show available encoders
-bsfs       show available bit stream filters
-protocols  show available protocols
-filters    show available filters
-pix_fmts   show available pixel formats
-layouts    show standard channel layouts
-sample_fmts show available audio sample formats
-dispositions show available stream dispositions
-colors     show available color names
-sources device list sources of the input device
-sinks device list sinks of the output device
-hwaccels   show available HW acceleration methods

Global options (affect whole program instead of just one file):
-loglevel loglevel set logging level
-v loglevel set logging level
-report generate a report
-max_alloc bytes set maximum size of a single allocated block
-y overwrite output files
-n never overwrite output files
-ignore_unknown Ignore unknown stream types

-filter_threads number of non-complex filter threads
-filter_complex_threads number of threads for -filter_complex
-stats print progress report during encoding
-max_error_rate maximum error rate ratio of decoding errors (0.0: no errors, 1.0: 100% errors) above which ffmpeg returns an error instead of success.
-vol volume change audio volume (256=normal)

Per-file main options:
-f fmt force format
-c codec codec name
-codec codec codec name
-pre preset preset name
-map_metadata outfile[,metadata]:infile[,metadata] set metadata information of outfile from infile
-t duration record or transcode "duration" seconds of audio/video
-to time_stop record or transcode stop time
-fs limit_size set the limit file size in bytes
-ss time_off set the start time offset
-ss eof time_off set the start time offset relative to EOF
-seek_timestamp enable/disable seeking by timestamp with -ss
-timestamp time set the recording timestamp ('now' to set the current time)
-metadata string=string add metadata
-program title=string:st=number... add program with specified streams
-target type specify target file type ('vcd', 'svcd', 'dvd', 'dv' or 'dv50' with optional prefixes 'pal-', 'ntsc-' or 'film-')
-apad audio pad
-frames number set the number of frames to output
-filter filter_graph set stream filtergraph
-filter_script filename read stream filtergraph description from a file
-reinit_filter reinit filtergraph on input parameter changes
-discard discard
-disposition disposition

Video options:
-vframes number set the number of video frames to output
-r rate set frame rate (Hz value, fraction or abbreviation)
-rfpsmax rate set max frame rate (Hz value, fraction or abbreviation)
-s size set frame size (WxH or abbreviation)
-aspect aspect set aspect ratio (4:3, 16:9 or 1.3333, 1.7777)
-vn disable video
-vcodec codec force video codec ('copy' to copy stream)
-timecode hh:mm:ss[.][:]ff set initial TimeCode value.
-pass n select the pass number (1 to 3)
-vf filter_graph set video filters
-ab bitrate audio bitrate (please use -b:a)
-b bitrate video bitrate (please use -b:v)
-dn disable data

Audio options:
-afilter number set the number of audio frames to output
-aq quality set audio quality (codec-specific)
-ar rate set audio sampling rate (in Hz)
-ac channels set number of audio channels
-an disable audio
-acodec codec force audio codec ('copy' to copy stream)
-vol volume change audio volume (256=normal)
-af filter_graph set audio filters

Subtitle options:
-s size set frame size (WxH or abbreviation)
-sn disable subtitle
-scocodec codec force subtitle codec ('copy' to copy stream)
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