

ffmpeg -h

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

See man ffmpeg for detailed description of the options.

Print help / information / capabilities:

1. -L = show license
2. -h topic = show help
3. -? topic = show help
4. -help topic = show help
5. --help topic = show help
6. -version = show version
7. -buildconf = show build configuration
8. -formats = show available formats
9. -muxers = show available muxers
10. -demuxers = show available demuxers
11. -devices = show available devices
12. -codecs = show available codecs
13. -decoders = show available decoders
14. -encoders = show available encoders
15. -bsfs = show available bit stream filters
16. -protocols = show available protocols
17. -filters = show available filters
18. -pix_fmts = show available pixel formats
19. -layouts = show standard channel layouts
20. -sample_fmts = show available audio sample formats
21. -colors = show available color names
22. -sources device = list sources of the input device
23. -sinks device = list sinks of the output device
24. -hwaccels = show available HW acceleration methods

Global options (affect whole program instead of just one file:

1. -loglevel loglevel = set logging level
2. -v loglevel = set logging level
3. -report = generate a report
4. -max_alloc bytes = set maximum size of a single allocated block
5. -y = overwrite output files
6. -n = never overwrite output files
7. -ignore_unknown = ignore unknown stream types
8. -filter_threads = number of non-complex filter threads
9. -filter_complex_threads = number of threads for -filter_complex
10. -stats = print progress report during encoding
11. -max_error_rate = maximum error rate ratio of errors (0.0: no
----- = errors, 1.0: 100% errors) above which ffmpeg
----- = returns an error instead of success.
12. -bits_per_raw_sample number = set the number of bits per raw sample
13. -vol volume = change audio volume (256=normal)

Per-file main options:

1. -f fmt = force format
2. -c codec = codec name
3. -codec codec = codec name
4. -pre preset = preset name
5. -map_metadata outfile[,metadata]:infile[,metadata] set metadata information of
outfile from infile
6. -t duration = record or transcode "duration" seconds of audio/video
7. -to time_stop = record or transcode stop time
8. -fs limit_size = set the limit file size in bytes
9. -ss time_off = set the start time offset
10. -sseof time_off = set the start time offset relative to EOF
11. -seek_timestamp = enable/disable seeking by timestamp with -ss
12. -timestamp time = set the recording timestamp ('now' to set the current time)
13. -metadata string=string add metadata
14. -program title=string:st=number... add program with specified streams
15. -target type specify target file type ("vcd", "svcd", "dvd", "dv" or "dv50" with
optional prefixes "pal-", "ntsc-" or "film-")
16. -apad = audio pad
17. -frames number = set the number of frames to output
18. -filter filter_graph = set stream filtergraph
19. -filter_script filename = read stream filtergraph description from a file
20. -reinit_filter = reinit filtergraph on input parameter changes
21. -discard = discard
22. -disposition = disposition

Video options:

1. -vframes number = set the number of video frames to output
2. -r rate = set frame rate (Hz value, fraction or abbreviation)
3. -s size = set frame size (WxH or abbreviation)
4. -aspect aspect = set aspect ratio (4:3, 16:9 or 1.3333, 1.7777)
5. -bits_per_raw_sample number = set the number of bits per raw sample
6. -vn = disable video
7. -vcodec codec = force video codec ('copy' to copy stream)
8. -timecode hh:mm:ss[;.]ff set initial TimeCode value.
9. -pass n = select the pass number (1 to 3)
10. -vf filter_graph = set video filters
11. -ab bitrate = audio bitrate (please use -b:a)
12. -b bitrate = video bitrate (please use -b:v)
13. -dn = disable data

Audio options:

1. -aframes number = set the number of audio frames to output
2. -aq quality = set audio quality (codec-specific)
3. -ar rate = set audio sampling rate (in Hz)
4. -ac channels = set number of audio channels
5. -an = disable audio
6. -acodec codec = force audio codec ('copy' to copy stream)
7. -vol volume = change audio volume (256=normal)
8. -af filter_graph = set audio filters

Subtitle options:

1. -s size = set frame size (WxH or abbreviation)
2. -sn = disable subtitle
3. -scodec codec = force subtitle codec ('copy' to copy stream)
4. -stag fourcc/tag = force subtitle tag/fourcc
5. -fix_sub_duration = fix subtitles duration
6. -canvas_size size = set canvas size (WxH or abbreviation)
7. -spre preset = set the subtitle options to the indicated preset