

AVOutputFormat	
const char*	name
const char*	long_name
const char*	mime_type
const char*	extensions
enum CodecID	audio_codec
enum CodecID	video_codec
enum CodecID	subtitle_codec
int	flags
AVCodecTag*	codec_tag
AVClass*	priv_class
AVOutputFormat*	next

AVInputFormat	
const char*	name
const char*	long_name
int	flags
const char*	extensions
AVCodecTag*	codec_tag
AVClass*	priv_class
AVInputFormat*	next
int	raw_codec_id
int	priv_data_size

AVDictionaryEntry	
char*	key
char*	value

AVDictionary	
int	count
AVDictionaryEntry*	elems

AVFrac	
int64_t	val
int64_t	num
int64_t	den

AVAudioFifo	
AVFifoBuffer**	buf
int	nb_buffers
int	nb_samples
int	allocated_samples
int	channels
AVSampleFormat	sample_fmt
int	sample_size

AVFormatContext	
AVInputFormat*	iformat
AVOutputFormat*	oformat
void*	priv_data
AVIOContext*	pb
int	ctx_flags
unsigned int	nb_streams
AVStreams**	streams
char[1024]	filename
int64_t	start_time
int64_t	duration
int	bit_rate
unsigned int	packet_size
int	max_delay
int	flags
unsigned int	probesize
int	max_analyze_duration
const uint8_t*	key
int	keylen
unsigned int	nb_programs
AVProgram**	programs
enum CodecID	video_codec_id
enum CodecID	audio_codec_id
enum CodecID	subtitle_codec_id
unsigned int	max_index_size
unsigned int	max_picture_buffer
unsigned int	nb_chapters
AVChapter**	chapters
AVDictionary*	metadata
int64_t	start_time realtime
int	fps_probe_size
	error_recognition
AVIOInterruptCB	interrupt_callback
int	debug
AVPacketList*	packet_buffer
AVPacketList*	packet_buffer_end
int64_t	data_offset
AVPacketList*	raw_packet_buffer
AVPacketList*	raw_packet_buffer_end
AVPacketList*	parse_queue
AVPacketList*	parse_queue_end
int	raw_packet_buffer_remaining_size

AVStream	
int	index
int	id
AVCodecContext*	codec
AVRational	r_frame_rate
void*	priv_data
AVFrac	pts
AVRational	time_base
int64_t	start_time
int64_t	duration
int64_t	nb_frames
int	disposition
AVDiscard	discard
AVRational	sample_aspect_ratio
AVDictionary*	metadata
AVRational	avg_frame_rate
AVPacket	attached_pic
int	pts_wrap_bits
int64_t	reference_dts
int64_t	first_dts
int64_t	cur_dts
int64_t	last_IP_pts
int	last_IP_duration
int	probe_packets
int	codec_info_nb_frames
AVStreamParseType	need_parsing
AVCodecParserContext	parser
AVPacketList*	last_in_packet_buffer
AVProbeData	probe_data
AVIndexEntry	index_entries
int	nb_index_entries
unsigned int	index_entries_allocated_size

AVPacket	
int64_t	pts
int64_t	pts
uint8_t*	data
int	size
int	stream_index
int	flags
"struct"	----
int	side_data_elems
int64_t	duration
void*	priv
int64_t	pos
int64_t	convergence_uration

AVFrame	
uint8_t*	data
int	linesize
uint8_t**	extended_data
int	width
int	height
int	nb_samples
int	format
int	key_frame
enum AVPictureType	pict_type
uint8_t*	base
AVRational	sample_aspect_ratio
int64_t	pts
int64_t	pkt_pts
int64_t	pkt_dts
int	coded_picture_number
int	display_picture_number
int	quality
...	...

AVCodecContext	
int	log_level_offset
AVMediaType	codec_type
AVCodec*	codec_type
char[32]	codec_name
enum CodecID	codec_id
unsigned int	codec_tag
unsigned int	stream_codec_tag
void*	priv_data
AVCodecInternal*	internal
void*	opaque
int	bit_rate
int	bit_rate_tolerance
int	global_quality
int	compression_level
int	flags
int	flags2
uint8_t*	extradata
int	extradata_size
AVRational	time_base
int	ticks_per_frame
int	delay
int	width
int	height
int	coded_width
int	coded_height
int	gop_size
enum PixelFormat	pix_fmt
int	me_method
int	max_b_frames
Float	b_quant_factor
int	b_frame_strategy
Float	b_quant_offset
int	has_b_frames
Float	l_quant_factor
Float	l_quant_offset
Float	lumi_masking
Float	temporal_cplx_masking
Float	spatial_cplx_masking
Float	p_masking
Float	dark_masking
int	slice_count
int	prediction_method
int*	slice_offset
AVRational	sample_aspect_ratio
int	me_cmp
int	me_sub_cmp
int	mb_cmp
int	ldict_cmp
int	dia_size
int	last_predictor_count
int	pre_me
int	me_pre_cmp
int	pre_dia_size
int	me_range
int	intra_quant_bias
int	inter_quant_bias
int	slice_flags
int	xvmc_acceleration
int	mb_decision
uint16_t*	intra_matrix
uint16_t*	inter_matrix
int	scenechange_threshold
int	noise_reduction
int	me_threshold
int	mb_threshold
int	intra_dc_precision
int	skip_top
Float	border_masking
int	mb_lmin
int	mb_lmax
int	me_penalty_compensation
int	bidir_refine
int	brd_scale
int	keyint_min
...	...

AVCodecContext	
int	refs
int	chromaoffset
int	scenechange_factor
int	mv0_threshold
int	b_sensitivity
AVColorPrimaries	color_primaries
AVColorTransferCharacteristic	color_trc
AVColorSpace	colospace
AVColorRange	color_range
AVChromaLocation	chroma_sample_location
int	slices
AVFieldOrder	field_order
int	sample_rate
int	channels
AVSampleFormat	sample_fmt
int	frame_size
int	frame_number
int	block_align
int	cutoff
int	request_channels
uint64_t	channel_layout
uint64_t	request_channel_layout
AVAudioServiceType	audio_service_type
AVSampleFormat	request_sample_fmt
int	qcompress
Float	qblur
int	qmin
int	qmax
int	max_qdiff
Float	rc_qsquish
Float	rc_qmod_amp
int	rc_qmod_freq
int	rc_buffer_size
int	rc_override_count
RcOverride*	rc_override
const char*	rc_eq
int	rc_max_rate
int	rc_min_rate
float	rc_buffer_aggressivity
float	rc_initial_cplx
float	rc_max_available_vbv_use
float	rc_min_vbv_overflow_use
int	rc_initial_buffer_occupancy
int	coder_type
int	context_model
int	lmin
int	lmax
int	frame_skip_threshold
int	frame_skip_factor
int	frame_skip_exp
int	frame_skip_cmp
int	trellis
int	min_prediction_order
int	max_prediction_order
int64_t	timecode_frame_start
int	rtp_payload_size
int	mv_bits
int	header_bits
int	i_tex_bits
int	p_tex_bits
int	i_count
int	p_count
int	skip_count
int	misc_bits
int	frame_bits
char*	stats_out
char*	stats_in
int	workaround_bugs
int	strict_std_compliance
int	error_concealment
int	debug
int	debug_mv
int	err_recognition
int64_t	reordered_opaque
...	...

AVCodecContext	
AVHWAccel*	hwaccel
void*	hwaccel_context
uint64_t	error
int	dct_algo
int	idct_algo
int	bits_per_coded_sample
int	bits_per_raw_sample
AVFrame*	codec_frame
...	...