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MovieClip(ID)

base classes — [bpy_struct](#), [ID](#)

class bpy.types.MovieClip(ID)

MovieClip data-block referencing an external movie file

animation_data

Animation data for this data-block

TYPE:

[AnimData](#), (readonly)

colorspace_settings

Input color space settings

TYPE:

[ColorManagedInputColorspaceSettings](#), (readonly)

display_aspect

Display Aspect for this clip, does not affect rendering

TYPE:

[mathutils.Vector](#) of 2 items in [0.1, inf], default (1.0, 1.0)

filepath

Filename of the movie or sequence file

TYPE:

string, default ‘’, (never None)

fps

Detected frame rate of the movie clip in frames per second

TYPE:

float in [-inf, inf], default 0.0, (readonly)

frame_duration

Detected duration of movie clip in frames

TYPE:

int in [-inf, inf], default 0, (readonly)

frame_offset

Offset of footage first frame relative to its file name (affects only how footage is loading, does not change data associated with a clip)

TYPE:

int in [-inf, inf], default 0

frame_start

Global scene frame number at which this movie starts playing (affects all data associated with a clip)

TYPE:

int in [-inf, inf], default 1

grease_pencil

Grease Pencil data for this movie clip

TYPE:

`GreasePencil`

proxy

TYPE:

`MovieClipProxy`, (readonly)

size

Width and height in pixels, zero when image data can't be loaded

TYPE:

int array of 2 items in [-inf, inf], default (0, 0), (readonly)

source

Where the clip comes from

- `SEQUENCE` Image Sequence – Multiple image files, as a sequence.
- `MOVIE` Movie File – Movie file.

TYPE:

enum in ['SEQUENCE', 'MOVIE'], default 'SEQUENCE', (readonly)

tracking

TYPE:

`MovieTracking`, (readonly)

use_proxy

Use a preview proxy and/or timecode index for this clip

TYPE:

boolean, default False

use_proxy_custom_directory

Create proxy images in a custom directory (default is movie location)

TYPE:

boolean, default False

metadata()

Retrieve metadata of the movie file

RETURNS:

Dict-like object containing the metadata

RETURN TYPE:

`IDPropertyWrapPtr`

classmethod `bl_ma_get_subclass(id, default=None)`

PARAMETERS:

`id (str)` – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod `bl_rna_get_subclass_py(id, default=None)`

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `ID.name`
- `ID.name_full`
- `ID.id_type`
- `ID.session_uid`
- `ID.is_evaluated`
- `ID.original`
- `ID.users`
- `ID.use_fake_user`
- `ID.use_extra_user`
- `ID.is_embedded_data`
- `ID.is_missing`
- `ID.is_runtime_data`
- `ID.is_editable`
- `ID.tag`
- `ID.is_library_indirect`
- `ID.library`
- `ID.library_weak_reference`
- `ID.asset_data`
- `ID.override_library`
- `ID.preview`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `bpy_struct.is_property_hidden`
- `bpy_struct.is_property_overridable_library`
- `bpy_struct.is_property_readonly`
- `bpy_struct.is_property_set`
- `bpy_struct.items`
- `bpy_struct.keyframe_delete`
- `bpy_struct.keyframe_insert`
- `bpy_struct.keys`
- `bpy_struct.path_from_id`
- `bpy_struct.path_resolve`
- `bpy_struct.pop`
- `bpy_struct.property_overridable_library_set`
- `bpy_struct.property_unset`
- `bpy_struct.type_recast`
- `bpy_struct.values`
- `ID.rename`
- `ID.evaluated_get`
- `ID.copy`
- `ID.asset_mark`
- `ID.asset_clear`
- `ID.asset_generate_preview`
- `ID.override_create`
- `ID.override_hierarchy_create`
- `ID.user_clear`
- `ID.user_remap`
- `ID.make_local`
- `ID.user_of_id`
- `ID.animation_data_create`
- `ID.animation_data_clear`
- `ID.update_tag`
- `ID.preview_ensure`
- `ID.bl_rna_get_subclass`
- `ID.bl_rna_get_subclass_py`

References

-
- [bpy.context.edit_movieclip](#)
 - [BlendData.movieclips](#)
 - [BlendDataMovieClips.load](#)
 - [BlendDataMovieClips.remove](#)
 - [CameraBackgroundImage.clip](#)
 - [CameraSolverConstraint.clip](#)
 - [CompositorNodeKeyingScreen.clip](#)
 - [CompositorNodeMovieClip.clip](#)
 - [CompositorNodeMovieDistortion.clip](#)
 - [CompositorNodePlaneTrackDeform.clip](#)
 - [CompositorNodeStabilize.clip](#)
 - [CompositorNodeTrackPos.clip](#)
 - [FollowTrackConstraint.clip](#)
 - [MovieClipStrip.clip](#)
 - [ObjectSolverConstraint.clip](#)
 - [Scene.active_clip](#)
 - [SpaceClipEditor.clip](#)
 - [StripsMeta.new_clip](#)
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