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CameraStereoData(bpy_struct)

base class — [bpy_struct](#)

class bpy.types.CameraStereoData(bpy_struct)

Stereoscopy settings for a Camera data-block

convergence_distance

The converge point for the stereo cameras (often the distance between a projector and the projection screen)

TYPE:

float in [1e-05, inf], default 1.95

convergence_mode

- `OFFAXIS` Off-Axis – Off-axis frustums converging in a plane.
- `PARALLEL` Parallel – Parallel cameras with no convergence.
- `TOE` Toe-in – Rotated cameras, looking at the same point at the convergence distance.

TYPE:

enum in ['OFFAXIS', 'PARALLEL', 'TOE'], default 'OFFAXIS'

interocular_distance

Set the distance between the eyes - the stereo plane distance / 30 should be fine

TYPE:

float in [0, inf], default 0.065

pivot

TYPE:

enum in ['LEFT', 'RIGHT', 'CENTER'], default 'LEFT'

pole_merge_angle_from

Angle at which interocular distance starts to fade to 0

TYPE:

float in [0, 1.5708], default 1.0472

pole_merge_angle_to

Angle at which interocular distance is 0

TYPE:

float in [0, 1.5708], default 1.309

use_pole_merge

Fade interocular distance to 0 after the given cutoff angle

TYPE:

boolean, default False

use_spherical_stereo

Render every pixel rotating the camera around the middle of the interocular distance

TYPE:

boolean, default False

`classmethod` `bl_mro_get_subclass(id, default=None)`

classmethod bl_rna_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`

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`

References

- `Camera.stereo`