

[Skip to content](#)

CompositorNodeKeying(CompositorNode)

base classes — [bpy_struct](#), [Node](#), [NodeInternal](#), [CompositorNode](#)

class bpy.types.CompositorNodeKeying(CompositorNode)

Perform both chroma keying (to remove the backdrop) and despill (to correct color cast from the backdrop)

blur_post

Matte blur size which applies after clipping and dilate/eroding

TYPE:

int in [0, 2048], default 0

blur_pre

Chroma pre-blur size which applies before running keyer

TYPE:

int in [0, 2048], default 0

clip_black

Value of non-scaled matte pixel which considers as fully background pixel

TYPE:

float in [0, 1], default 0.0

clip_white

Value of non-scaled matte pixel which considers as fully foreground pixel

TYPE:

float in [0, 1], default 0.0

despill_balance

Balance between non-key colors used to detect amount of key color to be removed

TYPE:

float in [0, 1], default 0.0

despill_factor

Factor of despillling screen color from image

TYPE:

float in [0, 1], default 0.0

dilate_distance

Distance to grow/shrink the matte

TYPE:

int in [-100, 100], default 0

edge_kernel_radius

Radius of kernel used to detect whether pixel belongs to edge

TYPE:

int in [0, 100], default 0

edge_kernel_tolerance

Tolerance to pixels inside kernel which are treating as belonging to the same plane

TYPE:

float in [0, 1], default 0.0

feather_distance

Distance to grow/shrink the feather

TYPE:

int in [-100, 100], default 0

feather_falloff

Falloff type of the feather

TYPE:

enum in [Proportional Falloff Curve Only Items](#), default 'SMOOTH'

screen_balance

Balance between two non-primary channels primary channel is comparing against

TYPE:

float in [0, 1], default 0.0

classmethod is_registered_node_type()

True if a registered node type

RETURNS:

Result

RETURN TYPE:

boolean

classmethod input_template(index)

Input socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

[NodeInternalSocketTemplate](#)

classmethod output_template(index)

Output socket template

PARAMETERS:

index (*int in [0, inf]*) – Index

RETURNS:

result

RETURN TYPE:

[NodeInternalSocketTemplate](#)

update()

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_ma_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`
- `Node.type`
- `Node.location`
- `Node.location_absolute`
- `Node.width`
- `Node.height`
- `Node.dimensions`
- `Node.name`
- `Node.label`
- `Node.inputs`
- `Node.outputs`
- `Node.internal_links`
- `Node.parent`
- `Node.warning_propagation`
- `Node.use_custom_color`
- `Node.color`
- `Node.color_tag`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`
- `Node.mute`
- `Node.show_texture`
- `Node.bl_idname`
- `Node.bl_label`
- `Node.bl_description`
- `Node.bl_icon`
- `Node.bl_static_type`
- `Node.bl_width_default`
- `Node.bl_width_min`
- `Node.bl_width_max`
- `Node.bl_height_default`
- `Node.bl_height_min`
- `Node.bl_height_max`

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`
- `Node.update`
- `Node.insert_link`
- `Node.init`
- `Node.copy`
- `Node.free`
- `Node.draw_buttons`
- `Node.draw_buttons_ext`
- `Node.draw_label`
- `Node.debug_zone_body_lazy_function_graph`
- `Node.debug_zone_lazy_function_graph`

- 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
- Node.socket_value_update
- Node.is_registered_node_type
- Node.poll
- Node.poll_instance

- Node.poll
- Node.bl_rna_get_subclass
- Node.bl_rna_get_subclass_py
- NodeInternal.poll
- NodeInternal.poll_instance
- NodeInternal.update
- NodeInternal.draw_buttons
- NodeInternal.draw_buttons_ext
- NodeInternal.bl_rna_get_subclass
- NodeInternal.bl_rna_get_subclass_py
- CompositorNode.tag_need_exec
- CompositorNode.poll
- CompositorNode.update
- CompositorNode.bl_rna_get_subclass
- CompositorNode.bl_rna_get_subclass_py