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# CompositorNodeMask(CompositorNode)

base classes — `bpy_struct`, `Node`, `NodeInternal`, `CompositorNode`

**class** `bpy.types.CompositorNodeMask(CompositorNode)`

Input mask from a mask datablock, created in the image editor

**mask**

**TYPE:**

`Mask`

**motion\_blur\_samples**

Number of motion blur samples

**TYPE:**

int in [1, 64], default 0

**motion\_blur\_shutter**

Exposure for motion blur as a factor of FPS

**TYPE:**

float in [0, 1], default 0.0

**size\_source**

Where to get the mask size from for aspect/size information

- `SCENE` Scene Size.
- `FIXED` Fixed – Use pixel size for the buffer.
- `FIXED_SCENE` Fixed/Scene – Pixel size scaled by scene percentage.

**TYPE:**

enum in ['SCENE', 'FIXED', 'FIXED\_SCENE'], default 'SCENE'

**size\_x**

**TYPE:**

int in [1, 10000], default 0

**size\_y**

**TYPE:**

int in [1, 10000], default 0

**use\_feather**

Use feather information from the mask

**TYPE:**

boolean, default False

**use\_motion\_blur**

Use multi-sampled motion blur of the mask

**TYPE:**

boolean, default False

**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  $[0, \infty]$ ) – Index

**RETURNS:**

result

**RETURN TYPE:**

`NodeInternalSocketTemplate`

**classmethod `output_template(index)`**

Output socket template

**PARAMETERS:**

**index** (*int* in  $[0, \infty]$ ) – 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_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`
- `Node.type`
- `Node.location`
- `Node.location absolute`
- `Node.select`
- `Node.show_options`
- `Node.show_preview`
- `Node.hide`

- `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.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`
- `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.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`
- `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`

