

# wxpython.ImagePanel

API Documentation

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# 1 Module ImagePanel

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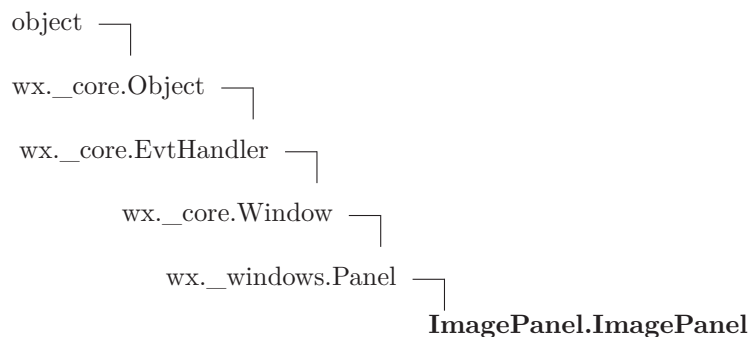
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## 1.1 Variables

Name	Description
<code>__package__</code>	<b>Value:</b> None

## 1.2 Class ImagePanel



### 1.2.1 Methods

```

__init__(self, parent)

__init__(self, Window parent, int id=-1, Point pos=DefaultPosition,
          Size size=DefaultSize, long style=wxTAB_TRAVERSAL|wxNO_BORDER,
          String name=PanelNameStr) -> Panel

```

**Return Value**

EvtHandler

Overrides: object.\_\_init\_\_ extit(inherited documentation)

**SetAutoRefresh(self)**

Enable autorefresh

**SetManualRefresh(self)**

Disable autorefresh

**AutoRefresh(*self*)**

Returns true if autorefresh is enable

**Return Value**

bool

**ManualRefresh(*self*)**

Returns true if autorefresh is disable

**Return Value**

bool

**SetConfig(*self*, *config*)**

It allow to configurate panel behaviour

**Parameters**

**config:** bit mask  
(*type=int*)

**GetConfig(*self*)**

Returns panel configuration

**Return Value**

bit mask  
(*type=int*)

**GetSizeConfig(*self*)**

Returns size configuration

**Return Value**

int

**GetXPositionConfig(*self*)**

Returns horizontal position configuration

**Return Value**

int

**GetYPositionConfig(*self*)**

Returns vertical position configuration

**Return Value**

int

**IsDraggable(*self*)**

Returns true if panel is configured as draggable

**Return Value**

bool

**ZoomWheel(*self*)**

Returns true if panel is configured to allow zoom with mouse wheel

**Return Value**

bool

**SetZoomStep(*self*, *zoomStep*)**

Set percent of zoom step

**Parameters**

**zoomStep:** percent of step

(*type=float*)

**SetMaxZoom(*self*, *maxZoom*)**

Set percent of max zoom

**Parameters**

**maxZoom:** percent of max zoom

(*type=float*)

**SetMinZoom(*self*, *minZoom*)**

Set percent of min zoom

**Parameters**

**minZoom:** percent of min zoom

(*type=float*)

**SetZoom(*self*, *zoom*)**

Set percent of zoom

**Parameters**

**zoom:** percent of zoom

(*type=float*)

**AutoZoom(*self*)**

Set best zoom for image

**Enlarge(*self*)**

Increase de zoom and enlarge the image

**Shrink(*self*)**

Decreases de zoom and shrink the image

**GetBestZoom**(*self*)

Returns the best zoom for the image according to the size of the panel

**Return Value**

best zoom

(*type=float*)

**GetMinZoom**(*self*)

Returns minzoom

**Return Value**

minzoom

(*type=float*)

**GetMaxZoom**(*self*)

Returns maxzoom

**Return Value**

maxzoom

(*type=float*)

**GetZoom**(*self*)

Returns current zoom

**Return Value**

current zoom

(*type=float*)

**GetImageSize**(*self*)

Returns image size according to the size configuration

**Return Value**

image size

(*type=(float, float)*)

**MoveX**(*self*, *x*)

Move horizontaly the image

**Parameters**

**x**: relative distance

(*type=int, float*)

**MoveY**(*self*, *y*)

Move vertically the image

**Parameters**

**y**: relative distance  
(*type=int, float*)

**MoveXY**(*self*, *x*, *y*)

Move image

**Parameters**

**x**: relative distance in x  
(*type=int, float*)  
**y**: relative distance in y  
(*type=int, float*)

Overrides: wx.\_core.Window.MoveXY

**ScrollX**(*self*, *x*)

It sets the horizontal absolute displacement

**Parameters**

**x**: x displacement  
(*type=int, float*)

**ScrollY**(*self*, *y*)

It sets the vertical absolute displacement

**Parameters**

**y**: y displacement  
(*type=int, float*)

**ScrollXY**(*self*, *x*, *y*)

It sets the absolute displacement

**Parameters**

**x**: x displacement  
(*type=int, float*)  
**y**: y displacement  
(*type=int, float*)

**isOnLeft**(*self*)

Returns true if horizontal scroll is 0

**Return Value**

bool

**isOnRight**(*self*)

Returns true if horizontal scroll is max

**Return Value**

bool

**isOnTop**(*self*)

Returns true if vertical scroll is 0

**Return Value**

bool

**isOnBottom**(*self*)

Returns true if vertical scroll is max

**Return Value**

bool

**GetMinScrollX**(*self*)

Returns minimum possible horizontal scroll

**Return Value**

min scroll

(*type=float*)

**GetMinScrollY**(*self*)

Returns minimum possible vertical scroll

**Return Value**

min scroll

(*type=float*)

**GetMaxScrollX**(*self*)

Returns maximum possible horizontal scroll

**Return Value**

max scroll

(*type=float*)

**GetMaxScrollY**(*self*)

Returns maximum possible vertical scroll

**Return Value**

max scroll

(*type=float*)

**GetScrollX(*self*)**

Returns horizontal scroll

**Return Value**

horizontal scroll

*(type=float)***GetScrollY(*self*)**

Returns vertical scroll

**Return Value**

vertical scroll

*(type=float)***GetPosition(*self*)**

Returns scroll position

**Return Value**

(scroll x, scroll y)

*(type=(float, float))*

Overrides: wx.\_core.Window.GetPosition

**SetImage(*self*, *image*)**

Used to set an image

**Parameters****image:** an image*(type=wx.Image)***RefreshImage(*self*)**

Repaints the image

**Inherited from wx.\_windows.Panel**

Create(), GetClassDefaultAttributes(), SetFocusIgnoringChildren(), \_\_repr\_\_()

**Inherited from wx.\_core.Window**

AcceptsFocus(), AcceptsFocusFromKeyboard(), AddChild(), AdjustForLayoutDirection(), AssociateHandle(), CacheBestSize(), CanSetTransparent(), CaptureMouse(), Center(), CenterOnParent(), Centre(), CentreOnParent(), ClearBackground(), ClientToScreen(), ClientToScreenXY(), ClientToWindowSize(), Close(), ConvertDialogPointToPixels(), ConvertDialogSizeToPixels(), ConvertPixelPointToDialog(), ConvertPixelSizeToDialog(), DLG\_PNT(), DLG\_SIZE(), Destroy(), DestroyChildren(), Disable(), DissociateHandle(), DragAcceptFiles(), Enable(), FindFocus(), FindWindowById(), FindWindowByLabel(), FindWindowByName(), Fit(), FitInside(), Freeze(), GetAcceleratorTable(), GetAdjustedBestSize(), GetAutoLayout(), Get-



BackgroundColour(), GetBackgroundStyle(), GetBestFittingSize(), GetBestSize(),  
 GetBestSizeTuple(), GetBestVirtualSize(), GetBorder(), GetCapture(), GetCaret(),  
 GetCharHeight(), GetCharWidth(), GetChildren(), GetClientAreaOrigin(), Get-  
 ClientRect(), GetClientSize(), GetClientSizeTuple(), GetConstraints(), GetCon-  
 tainingSizer(), GetCursor(), GetDefaultAttributes(), GetDropTarget(), GetEffec-  
 tiveMinSize(), GetEventHandler(), GetExtraStyle(), GetFont(), GetForeground-  
 Colour(), GetFullTextExtent(), GetGrandParent(), GetGtkWidget(), GetHandle(),  
 GetHelpText(), GetHelpTextAtPoint(), GetId(), GetLabel(), GetLayoutDirection(),  
 GetMaxHeight(), GetMaxSize(), GetMaxWidth(), GetMinHeight(), GetMinSize(),  
 GetMinWidth(), GetName(), GetParent(), GetPositionTuple(), GetRect(), GetScreen-  
 Position(), GetScreenPositionTuple(), GetScreenRect(), GetScrollPos(), GetScroll-  
 Range(), GetScrollThumb(), GetSize(), GetSizeTuple(), GetSizer(), GetTextEx-  
 tent(), GetThemeEnabled(), GetToolTip(), GetToolTipString(), GetTopLevelPar-  
 ent(), GetUpdateClientRect(), GetUpdateRegion(), GetValidator(), GetVirtual-  
 Size(), GetVirtualSizeTuple(), GetWindowBorderSize(), GetWindowStyle(), GetWin-  
 dowStyleFlag(), GetWindowVariant(), HasCapture(), HasFlag(), HasMultiplePages(),  
 HasScrollbar(), HasTransparentBackground(), Hide(), HitTest(), HitTestXY(), In-  
 heritAttributes(), InheritsBackgroundColour(), InitDialog(), InvalidateBestSize(),  
 IsBeingDeleted(), IsDoubleBuffered(), IsEnabled(), IsExposed(), IsExposedPoint(),  
 IsExposedRect(), IsFrozen(), IsRetained(), IsShown(), IsShownOnScreen(), IsTo-  
 pLevel(), Layout(), LineDown(), LineUp(), Lower(), MakeModal(), Move(), MoveAf-  
 terInTabOrder(), MoveBeforeInTabOrder(), Navigate(), NewControlId(), NextCon-  
 trolId(), PageDown(), PageUp(), PopEventHandler(), PopupMenu(), PopupMenuXY(),  
 PostCreate(), PrepareDC(), PrevControlId(), PushEventHandler(), Raise(), Re-  
 fresh(), RefreshRect(), RegisterHotKey(), ReleaseMouse(), RemoveChild(), Re-  
 moveEventHandler(), Reparent(), ScreenToClient(), ScreenToClientXY(), Scrol-  
 lLines(), ScrollPages(), ScrollWindow(), SendSizeEvent(), SetAcceleratorTable(),  
 SetAutoLayout(), SetBackgroundColour(), SetBackgroundStyle(), SetBestFitting-  
 Size(), SetCaret(), SetClientRect(), SetClientSize(), SetClientSizeWH(), SetCon-  
 straints(), SetContainingSizer(), SetCursor(), SetDimensions(), SetDoubleBuffered(),  
 SetDropTarget(), SetEventHandler(), SetExtraStyle(), SetFocus(), SetFocusFromKbd(),  
 SetFont(), SetForegroundColour(), SetHelpText(), SetHelpTextForId(), SetId(),  
 SetInitialSize(), SetLabel(), SetLayoutDirection(), SetMaxSize(), SetMinSize(), Set-  
 Name(), SetOwnBackgroundColour(), SetOwnFont(), SetOwnForegroundColour(),  
 SetPosition(), SetRect(), SetScrollPos(), SetScrollbar(), SetSize(), SetSizeHints(),  
 SetSizeHintsSz(), SetSizeWH(), SetSizer(), SetSizerAndFit(), SetThemeEnabled(),  
 SetToolTip(), SetToolTipString(), SetTransparent(), SetValidator(), SetVirtual-  
 Size(), SetVirtualSizeHints(), SetVirtualSizeHintsSz(), SetVirtualSizeWH(), SetWin-  
 dowStyle(), SetWindowStyleFlag(), SetWindowVariant(), ShouldInheritColours(),  
 Show(), Thaw(), ToggleWindowStyle(), TransferDataFromWindow(), TransferData-  
 ToWindow(), UnregisterHotKey(), Update(), UpdateWindowUI(), UseBgCol(),  
 Validate(), WarpPointer(), WindowToClientSize()

***Inherited from wx.\_\_core.EvtHandler***

AddPendingEvent(), Bind(), Connect(), Disconnect(), GetEvtHandlerEnabled(),  
 GetNextHandler(), GetPreviousHandler(), ProcessEvent(), ProcessPendingEvents(),  
 SetEvtHandlerEnabled(), SetNextHandler(), SetPreviousHandler(), Unbind()

### ***Inherited from wx.\_\_core.Object***

GetClassName(), IsSameAs()

### ***Inherited from object***

\_\_delattr\_\_(), \_\_format\_\_(), \_\_getattr\_\_(), \_\_hash\_\_(), \_\_new\_\_(),  
 \_\_reduce\_\_(), \_\_reduce\_ex\_\_(), \_\_setattr\_\_(), \_\_sizeof\_\_(), \_\_str\_\_(),  
 \_\_subclasshook\_\_()

## **1.2.2 Properties**

Name	Description
<i>Inherited from wx._windows.Panel</i> thisown	
<i>Inherited from wx._core.Window</i> AcceleratorTable, AutoLayout, BackgroundColour, BackgroundStyle, BestSize, BestVirtualSize, Border, Caret, CharHeight, CharWidth, Children, ClientAreaOrigin, ClientRect, ClientSize, Constraints, ContainingSizer, Cursor, DefaultAttributes, DropTarget, EffectiveMinSize, Enabled, EventHandler, ExtraStyle, Font, ForegroundColour, GrandParent, GtkWidget, Handle, HelpText, Id, Label, LayoutDirection, MaxHeight, MaxSize, MaxWidth, MinHeight, MinSize, MinWidth, Name, Parent, Position, Rect, ScreenPosition, ScreenRect, Shown, Size, Sizer, ThemeEnabled, ToolTip, ToolTipString, TopLevel, TopLevelParent, UpdateClientRect, UpdateRegion, Validator, VirtualSize, WindowStyle, WindowStyleFlag, WindowVariant	
<i>Inherited from wx._core.EvtHandler</i> EvtHandlerEnabled, NextHandler, PreviousHandler	
<i>Inherited from wx._core.Object</i> ClassName	
<i>Inherited from object</i> __class__	

## **1.2.3 Class Variables**

Name	Description
DEFAULT_CONFIG	<b>Value:</b> 0
OPTIMAL_SIZE	<b>Value:</b> 0
NORMAL_SIZE	<b>Value:</b> 1

*continued on next page*

Name	Description
TIGHT_SIZE	Value: 2
FULL_SIZE	Value: 3
ZOOM_SIZE	Value: 4
OPTIMAL_X_POS	Value: 0
LEFT_POS	Value: 8
RIGHT_POS	Value: 16
SCROLLED_X_POS	Value: 24
CENTERED_X_POS	Value: 32
OPTIMAL_Y_POS	Value: 0
TOP_POS	Value: 64
BOTTOM_POS	Value: 128
SCROLLED_Y_POS	Value: 192
CENTERED_Y_POS	Value: 256
DRAGGABLE	Value: 0
NO_DRAGGABLE	Value: 512
AUTO_REFRESH	Value: 0
MANUAL_REFRESH	Value: 1024
ZOOM_WHEEL	Value: 0
NO_ZOOM_WHEEL	Value: 2048

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