



**SMART***toolbox*

**Manual**

**Layout Creator**

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# 1 General Information

MIP (Milestone Integration Platform) plugins and applications are dynamically loaded from the Milestone applications and services, which allows a simple installation and use.

The Smart Layout Creator is part of the Smart Toolbox suite, which is running on the Smart Client.

# 2 Installation

The installation of the all Toolbox Plug-ins are described in the Toolbox Installation Document which is valid for all the Plugins inside the Toolbox.

Please note, that the Smart Layout Creator is running on the Smart Client and needs the two Step installation:

- **Server Side Installation**
  - **Download from Download Manager and Client Side Installation**

After the Client Side installation, the Smart Layout Creator is ready for use in the Smart Client.

### 3 Using the Smart Layout Creator

The Smart Layout Creator allows you to create new Layouts for the Smart Client. It is possible to create special Layouts like Picture in Picture.

Before you start drawing new Layouts, you need to know the following rules in order to get the desired results.

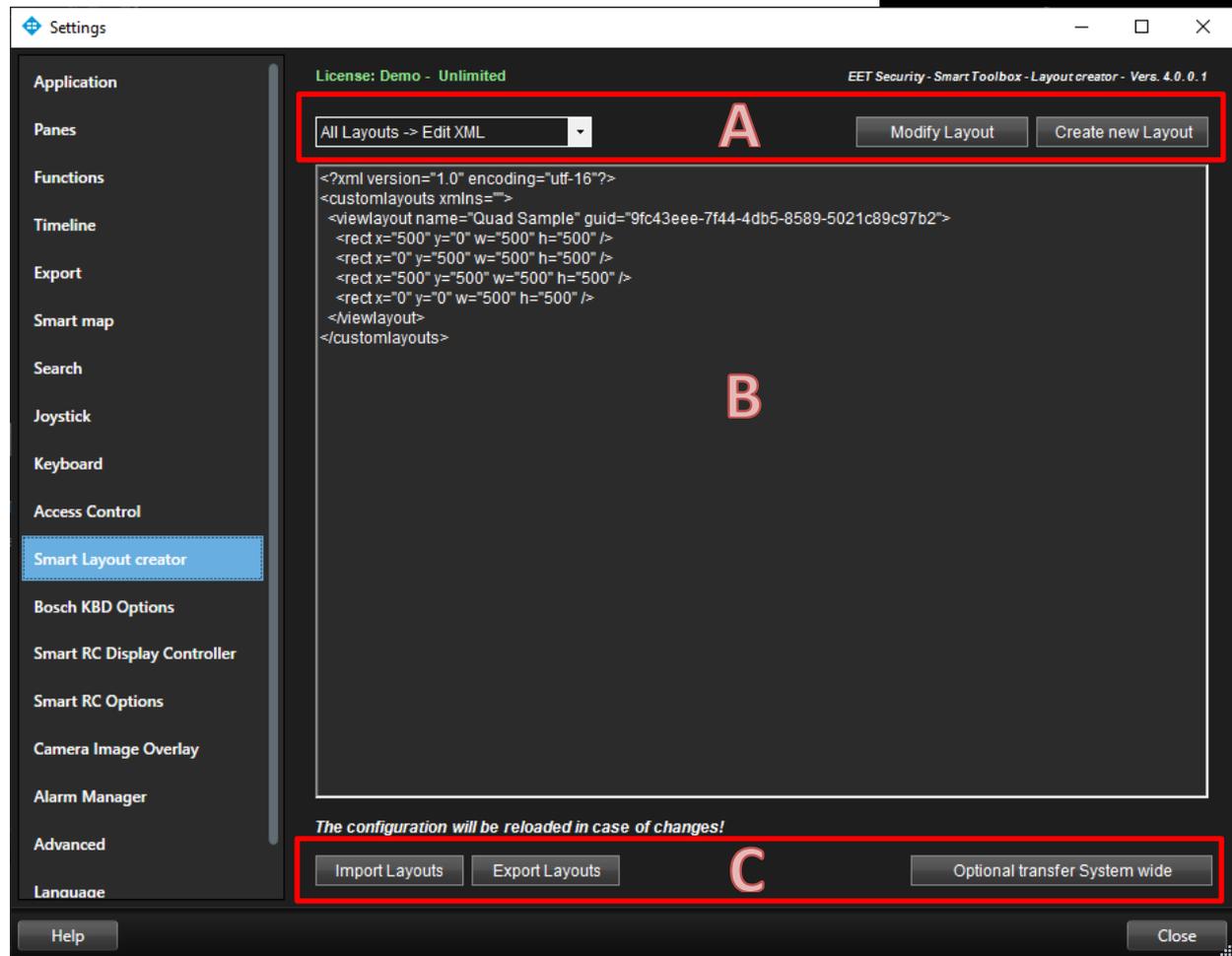
To allow different kind of Resolutions and aspects, the Layout is created in relative coordinates. This means that the width and the height is based on 1000 X 1000. A quad layout for instance is defined by the following XML:

```
<?xml version="1.0" encoding="utf-16"?>
<customlayouts xmlns="">
  <viewlayout name="Quad Sample" guid="9fc43eee-7f44-4db5-8589 5021c89c97b2">
    <rect x="0" y="0" w="500" h="500" />
    <rect x="500" y="0" w="500" h="500" />
    <rect x="0" y="500" w="500" h="500" />
    <rect x="500" y="500" w="500" h="500" />
  </viewlayout>
</customlayouts>
```

A golden Rule is to fill the Width and Height up to 1000 in order to get the desired aspect. Otherwise the Layout will be scaled up.

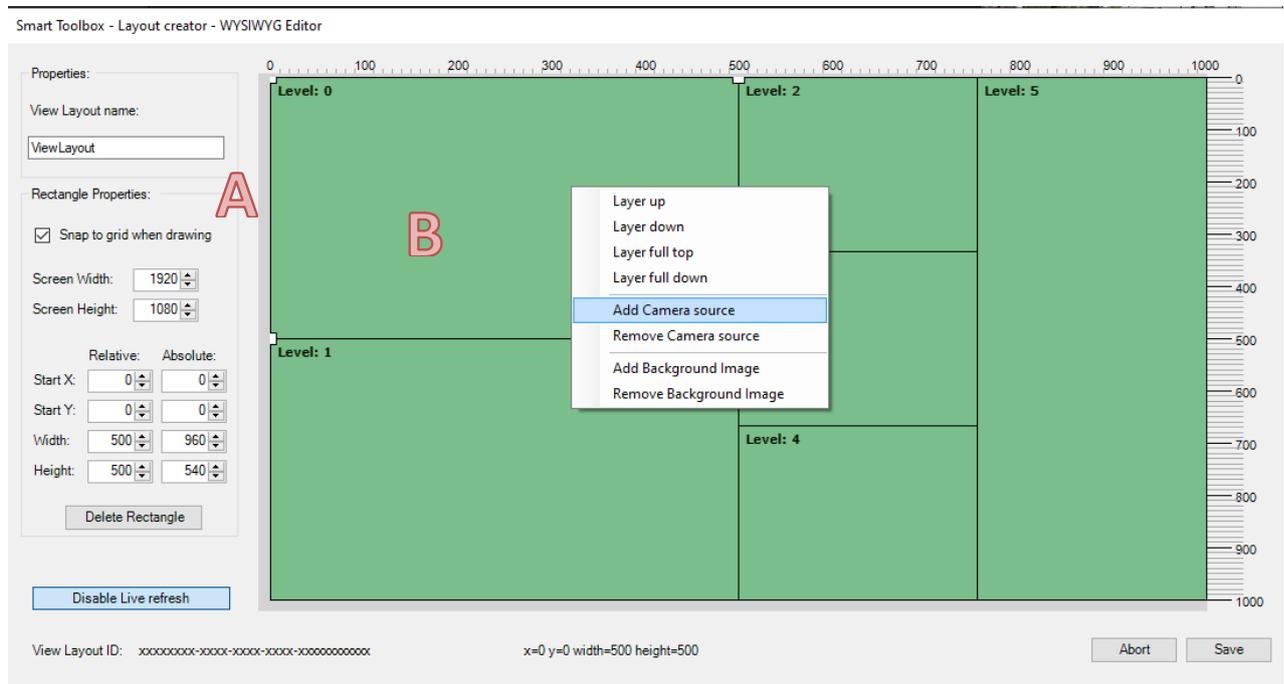
### 3.1 Create and modify Custom Layouts

Use the Settings in the upper right corner to open the Layout Creator Options Dialog:

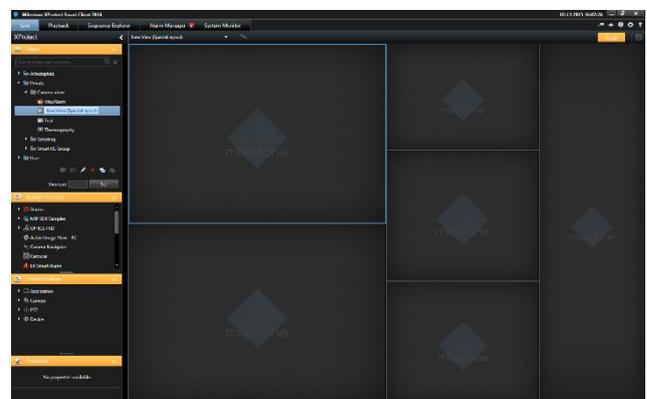


- A Select a Layout from the drop down box and press “Modify Layout” or press “Create new Layout” to open the WYSIWYG Editor.
- B If the “All Layouts -> Edit XML” is selected in [A] you can edit the configuration directly in the Editor.
- C In order to use the created Layouts in another Installation you can export and import the XML Configuration File. By default the created Layouts are only available in the local Smart Client Application. In order to use the Layouts System wide, you can use the “Optional transfer System wide” Button.

### 3.2 Use the WYSIWYG Editor to design a Layout



- A Layout Properties:  
Set a Name for the new Layout and Use the Rectangle Properties to adjust the select Rectangle manually
- B Use the Mouse to draw new Rectangles. If the “Snap to grid when drawing” in [A] is activated, you will be supported by the editor to align rectangles.  
By Using the Context Menu of a Rectangle, you can set the Layer level.  
You can also add a Camera or Image into the Layouts to have a preview.



After Saving the Layout, you will see the created XML in the XML Editor. In order to use the Layout for a View, you will find this layout under “Custom Layouts” or in the related ViewLayout Group if you used the System wide option.

**Please note:**

The Rectangles of a Layout are stored in the View itself. This means, that when you change a View Layout, this will not have an effect or update an already created Views!

**Contact:**

EET (Schweiz) GmbH  
Bösch 108  
CH-6331 Hünenberg  
Switzerland  
Phone: +41 41 785 13 13

Mail: [security@eetgroup.ch](mailto:security@eetgroup.ch)  
Web: <https://smart.eetsecurity.ch>