

# Template Layouts



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# Epiphan configuration preset template layout examples

Using template layouts should make setting up your next live event a lot easier. For Pearl-2, there are template layouts with up to five 1920x1080 video sources in them. The Pearl Mini template layouts can have up to three 1920x1080 video sources.


Throughout this example, video sources are labeled A through E for easy identification. Layout templates with three or less sources are common to both Pearl systems and use the identical name and format. Only layouts with sources A through C apply to Pearl Mini.



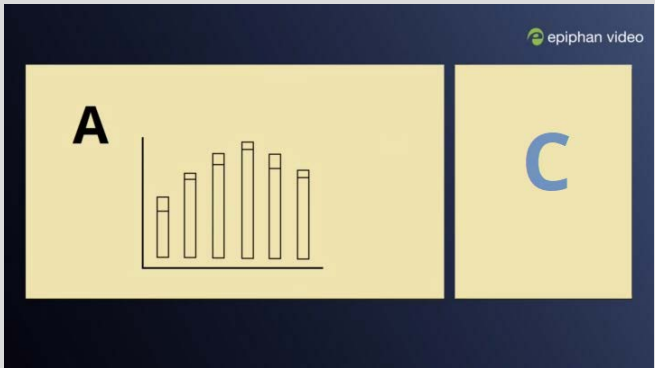



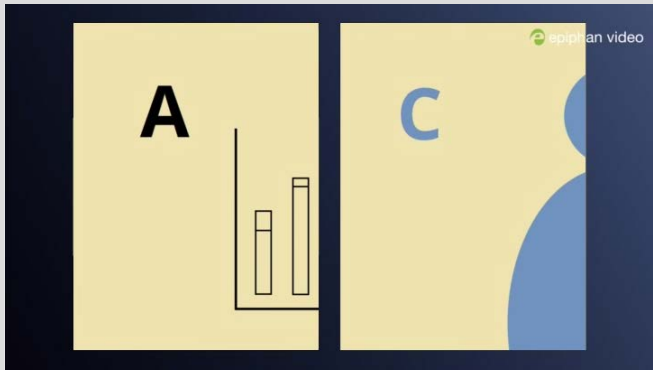
Using the custom layout editor, you can easily modify a template layout. You can add your own custom background image, adjust cropping, and even switch video sources. Consider them a starting point for you to customize and fit your specific needs.

The following tables show the different template layouts.


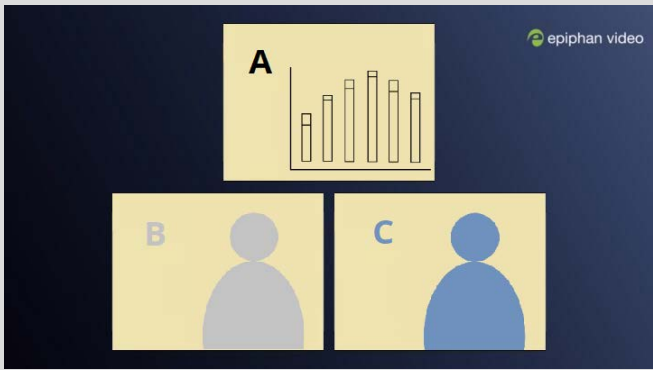
**Table 1** Template layouts with two or fewer video sources



Layout example	Description
	<p><b>BACKGROUND AND LOGO</b></p> <p>A single channel encoded for 1920x1080 with a 16:9 background image (.PNG) and transparent logo (.PNG).</p>

Layout example	Description
	<p><b>SCREENSHARE ISO</b></p> <p>One scaled HDMI 1920×1080 video source with a background image (.PNG).</p>
	<p><b>1UP SCREENSHARE + 3x4 SMALL</b></p> <p>One scaled HDMI 1920×1080 video source (a slideshow presentation) and one scaled SDI 1920×1080 video source cropped to 4:3 aspect ratio, plus a background image and transparent logo.</p>
	<p><b>1UP SCREENSHARE + 3x4 LARGE</b></p> <p>One scaled HDMI 1920×1080 video source (a slideshow presentation) and one scaled SDI 1920×1080 video source cropped to 4:3 aspect ratio, plus a background image and transparent logo.</p>
	<p><b>2UP 4x3</b></p> <p>One scaled HDMI 1920×1080 video sources (a slideshow presentation), a second scaled HDMI 1920×1080 video source cropped to 4x3 aspect ratio, and one scaled SDI 1920×1080 video source cropped to 4x3 aspect ratio. Plus a background image and transparent logo.</p>

Layout example	Description
	<p><b>2UP 3x4</b></p> <p>One scaled HDMI 1920×1080 video source (a slideshow) cropped to 3x4 aspect ratio and a scaled SDI 1920×1080 video source cropped to 3x4 aspect ratio, plus a background image and transparent logo.</p>

**Table 2** Template layouts with three or more video sources

Layout example	Description
	<p><b>2UP SCENESHARE + 3x4</b></p> <p>One scaled 1920×1080 video source (a slideshow presentation) and two 1920×1080 video sources cropped to 4:3 aspect ratio plus a background image and transparent logo.</p>
	<p><b>3UP 4x3</b></p> <p>Three scaled 1920×1080 video sources cropped to 4:3 aspect ratio with a custom background image and transparent logo.</p>

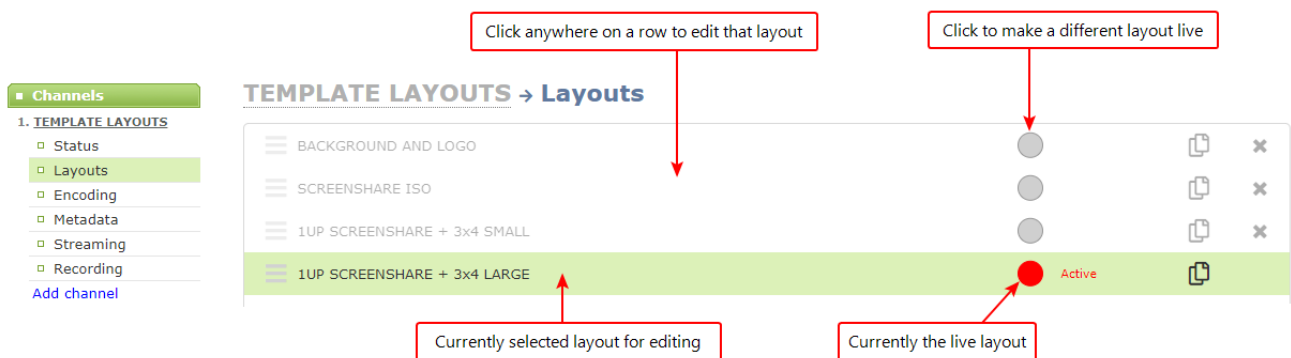
Layout example	Description
	<p><b>4UP 4x3 (Pearl-2 only)</b></p> <p>Four scaled 1920×1080 video sources cropped to 4x3 aspect ratio with a custom background image and transparent logo. Two are HDMI and two are SDI sources. Plus a custom background image and transparent logo.</p>
	<p><b>4UP 4x3 + 3x4 (Pearl-2 only)</b></p> <p>Five scaled 1920×1080 video sources: four cropped to 4x3 aspect ratio and one cropped to 3x4. Plus a custom background image and transparent logo.</p>

# Customizing a layout

You may need to adjust a layout for your particular setup. Basic instructions are documented here. For full instructions, see the user guide for your Pearl system. Template layouts assume video sources are 1920×1080 and the channel encoding is 1920×1080.

After the template layout configuration preset is imported, you can choose a layout and edit it using the Admin panel.

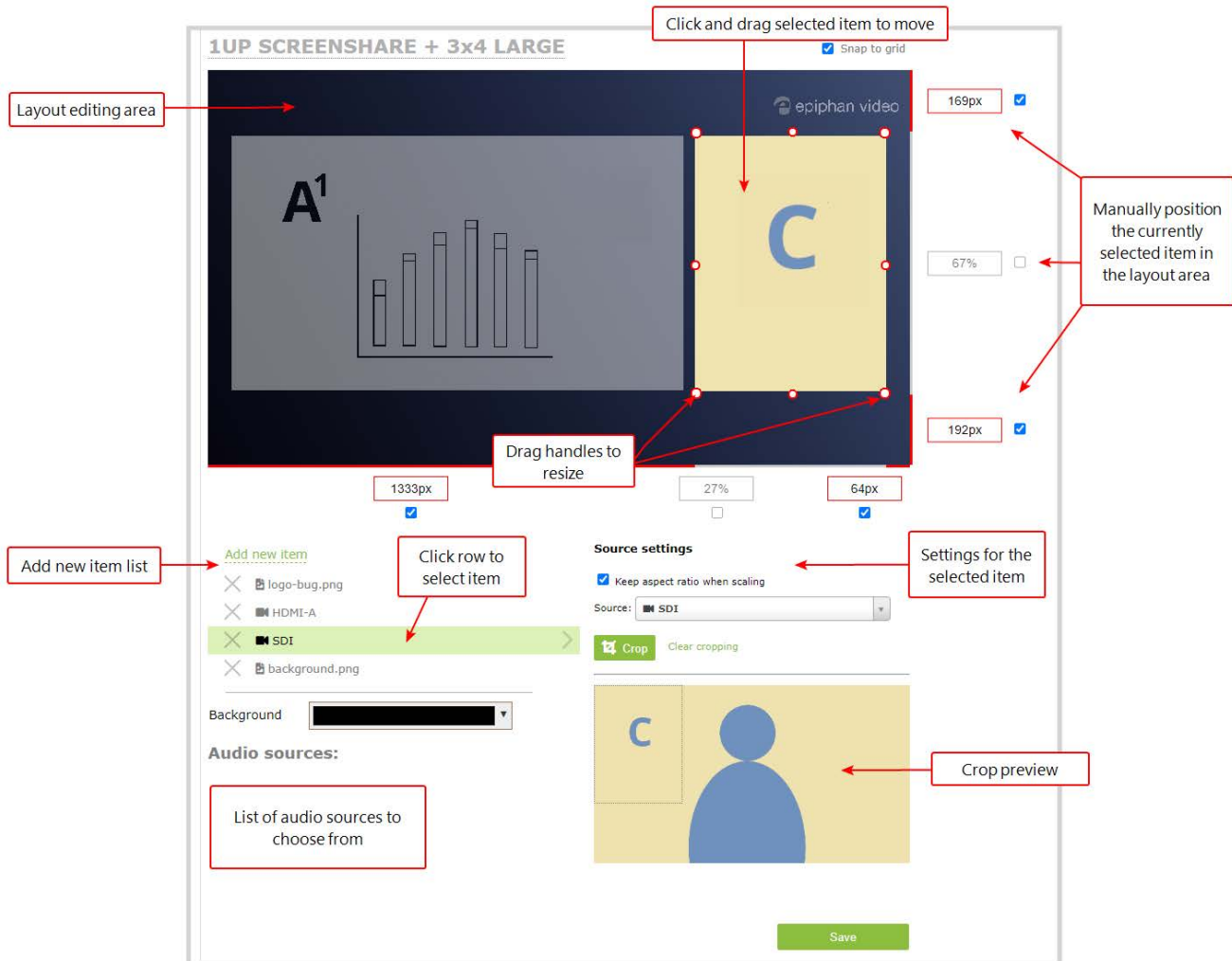
Select the channel **TEMPLATE LAYOUTS** and click **Layouts** to open the Layout Editor. A list of the all the layouts appears at the top of the page. Select a layout to edit it.



## Layout editing area

The layout editing area is where you add video sources, scale and move items, add images, and more.

Click any item in the **Add new item** list below the layout editing area to select that item. The selected item appears in full color with red handles for easy click-and-drag scaling.



## Moving and resizing items in the layout area

Click and drag an item to move it around the layout area or enter the values manually into the fields along the side and bottom of the layout area. You can enter values as a percentage of the full layout area (for example, enter **15%**) or in pixels (for example, enter **169px**).

169px ☒

To **resize** an item in the layout area, select the item and then click and drag the red handles that appear.

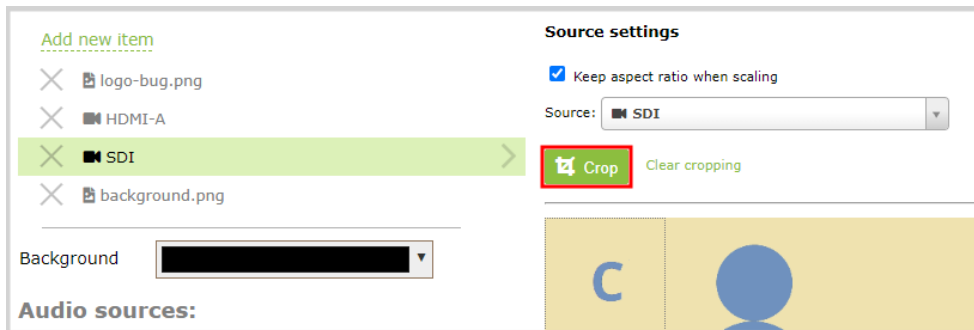




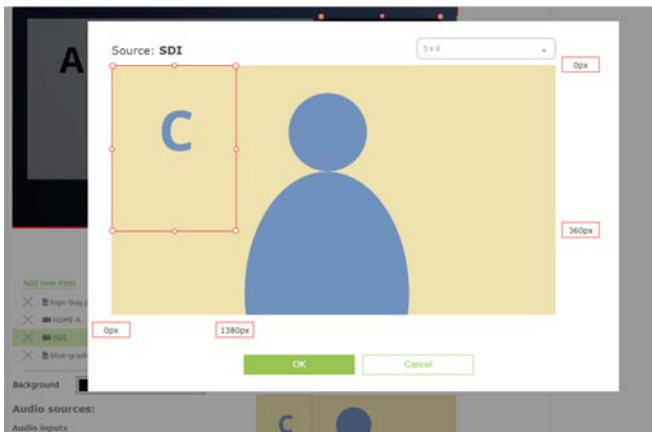
You can also resize manually and enter values into the fields along the side and bottom of the layout area. To maintain the aspect ratio when resizing an item, make sure **Keep aspect ratio when scaling** is checked under the Source settings.

## Adjusting a cropped video source

You can adjust the cropping to ensure your subject is nicely centered. Select a video source in the **Add new item** list and click **Crop** under the Source settings.



In the pop-up window, click and drag the cropped area into position within the frame. You can even change the aspect ratio here in this window. When you're done adjusting the crop, click **OK**. Remember to click **Save** at the bottom of the page to save your changes.



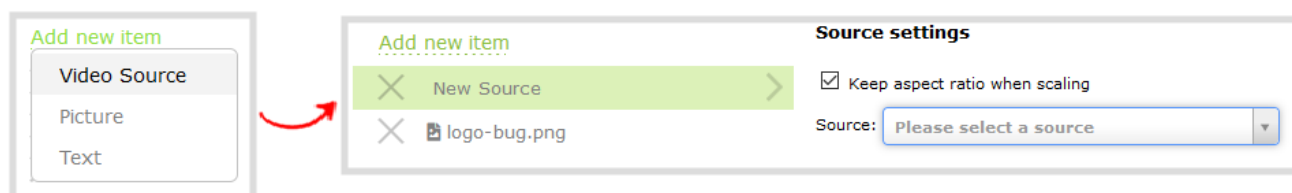
## Changing a video source or image

If you want to change video sources or images used in a layout, you can. Just add the new item to the layout and adjust it accordingly. Then save the modified layout using a different name.



Before deleting an unwanted video source from a layout, we suggest using the old video source as a guide and positioning the new source over top the old one.

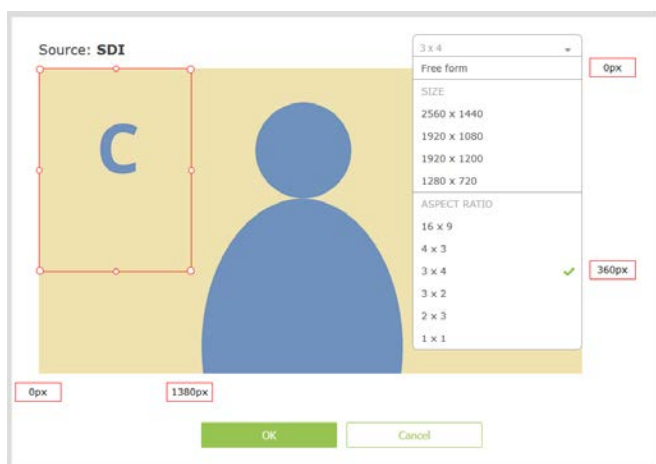
Click **Add new item** and select a new video source or picture. Newly added items appear at the top of the list. Since items are layered according to their position in the list, you can click and drag to reorder items in the list and change the layering.



In this example, the new item selected is a video source. Under **Source settings**, select the video source you want to add. The new item is added to the editing area and is automatically selected.

Now you can simply click and drag to move the item or drag one of the handles to resize it. You can also use the boxes along the side and bottom of the editing area to manually adjust the size and position of the item. Consider entering the values of the source you're replacing for exact positioning and sizing.

Also take note of the aspect ratio of the video source you're replacing and set the new video source to match. Follow the instructions to adjust a cropped video source to make final adjustments and set the aspect ratio. Click **Save** at the bottom of the page when you're done.



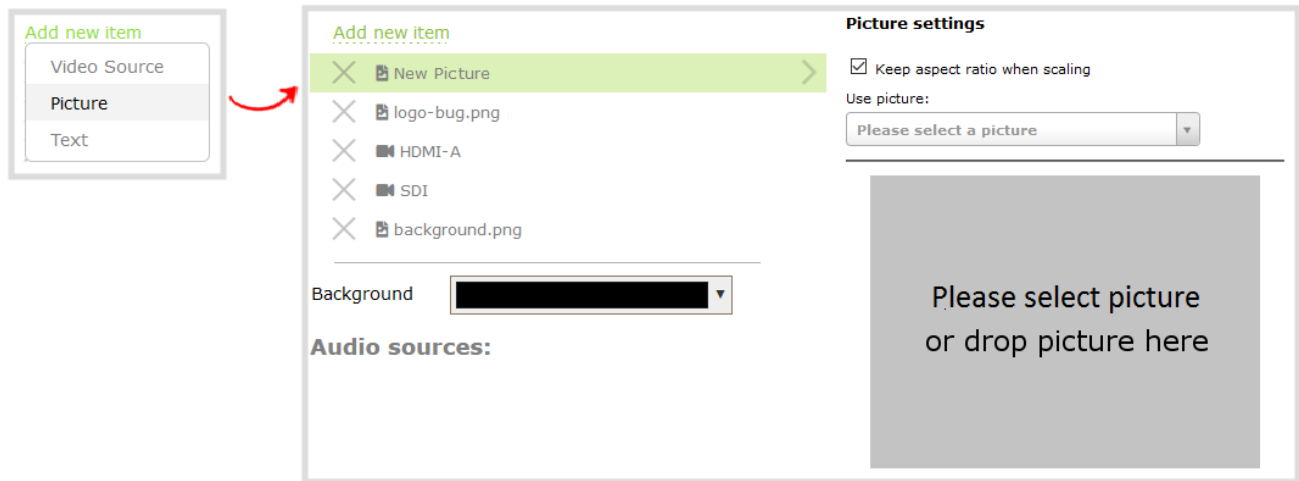
## Importing an image

Before you can select an image using the layout editor, you must upload it to your Pearl system. Image files formats supported include: PNG and JPEG. The maximum supported image size is 4096×2160.

## Important considerations

- Media file names should not include special characters, slashes, or spaces.
- Uploading an image of the same name overwrites the existing image.

Click **Add new item** and select picture. Newly added items appear at the top of the list.

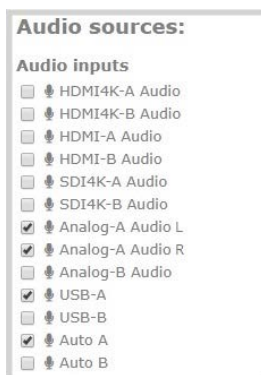


Under **Picture settings**, drag and drop the picture to import from your desktop to the gray **Please select picture or drop picture here** area. The new item is added to the editing area and is automatically selected. For best results, keep the **Keep aspect ratio when scaling** check box selected.

Now you can simply click and drag to move the item or drag one of the handles to resize it. You can also use the boxes along the side and bottom of the editing area to manually adjust the size and position of the item. Click **Save** at the bottom of the page when you're done.

## Audio source selection

Select audio source(s) to add to the layout. The audio source selection area appears directly below the list of items. For Pearl-2, the template layouts have Analog-A Audio L, Analog-B Audio R, and USB-A audio selected by default.



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For Pearl Mini, the template layouts have no audio sources selected by default.

