

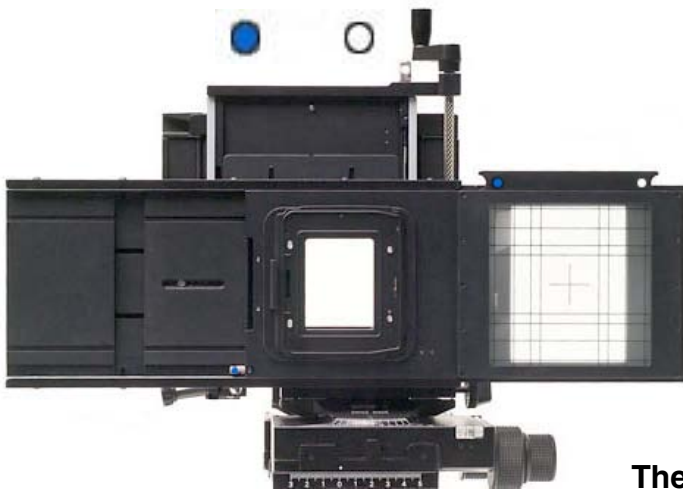


Kapture Group, Inc

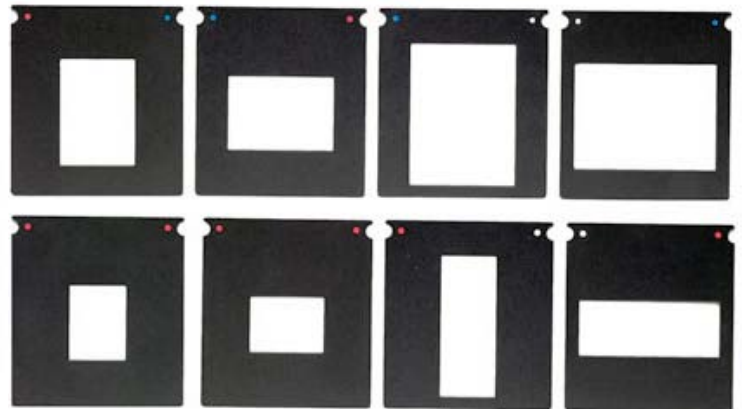
QuadStitch 4 by 5 Sliding Back Instruction Manual

Overview: The Kapture Group QuadStitch sliding back adapter is the most versatile and user friendly 4 by 5 stitching back available. Color coded drop-in masks provide 8 framing options that correspond with the color coded QuadStitch selector knobs making setup a snap. The smooth sliding action combined with gravity assist cranking techniques eliminate potential camera movement between captures for a pixel perfect stitch every time.

Eight framing options to choose from



Portrait mount / Portrait Quad Stitch



The QuadStitch comes with 8 framing masks:

- 2 single capture masks
- 4 double capture masks
- 2 quad capture masks



Landscape Mount / Landscape Stitch

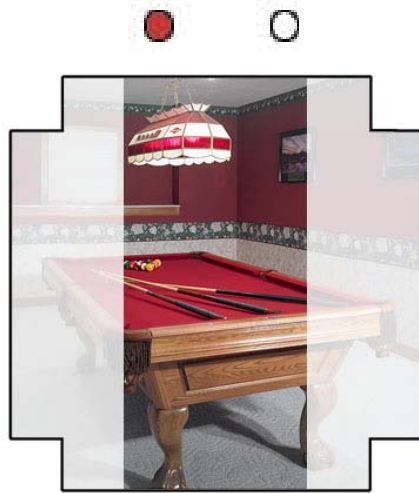
The chart on page 2 illustrates digital back orientation, final pixel dimension and assigned drop-in mask color codes. Each option yields a different aspect ratio and pixel dimension. Don't be confused, the chart refers to the "Landscape Mount" / Portrait Stitch configuration but the final image has a portrait aspect ratio. This also applies to the "Portrait Mount" / Landscape Stitch configuration which produces a landscape image.

Both the 22 and 39 MP digital backs have a very similar physical sensor size but final pixel dimensions are quite different. The pixel dimensions on the chart were all measured using a 22 MP digital back.

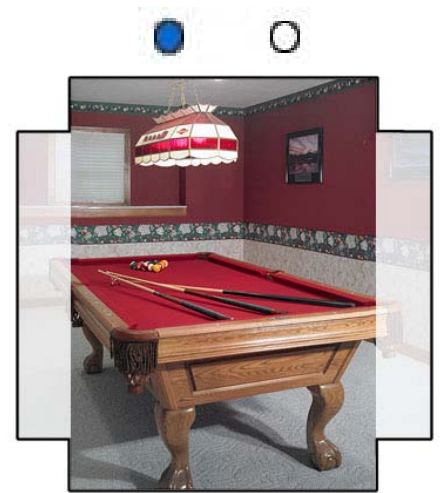
QuadStitch 22 MP Example Shots - 8 Framing Options

All examples on this page were stitched together in PhotoShop CS2 using the Photomerge feature.

Photomerge always renders the final stitched image to 8 bit. Third party stitching software is available to stitch 16 bit high resolution images or you can simply stitch the images together in PhotoShop using 16 bit layers.



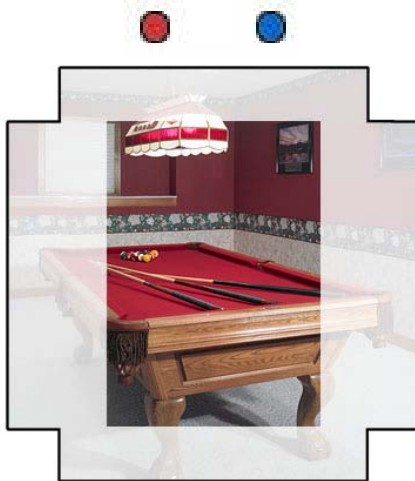
**Portrait Mount
Portrait Stitch
4093 x 9180**



**Portrait Mount
Portrait QuadStitch
6906 x 9200**



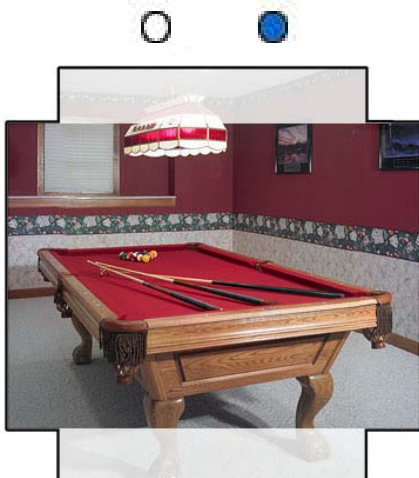
**Landscape Mount
5436 x 4080**



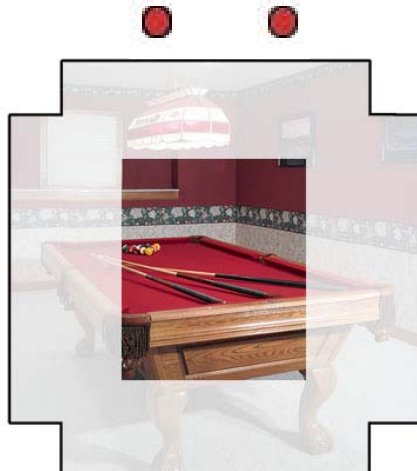
**Landscape Mount
Portrait Stitch
5468 x 6880**



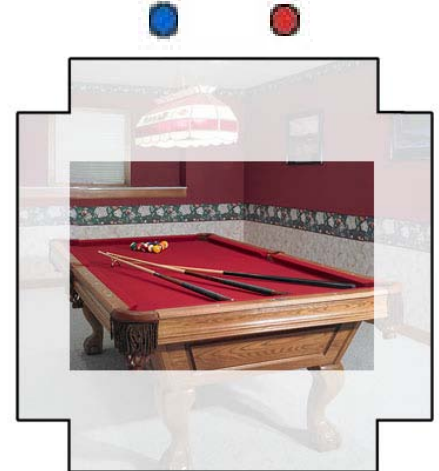
**Landscape Mount
Landscape Stitch
9180 x 4093**



**Landscape Mount
Landscape QuadStitch
9200 x 6906**



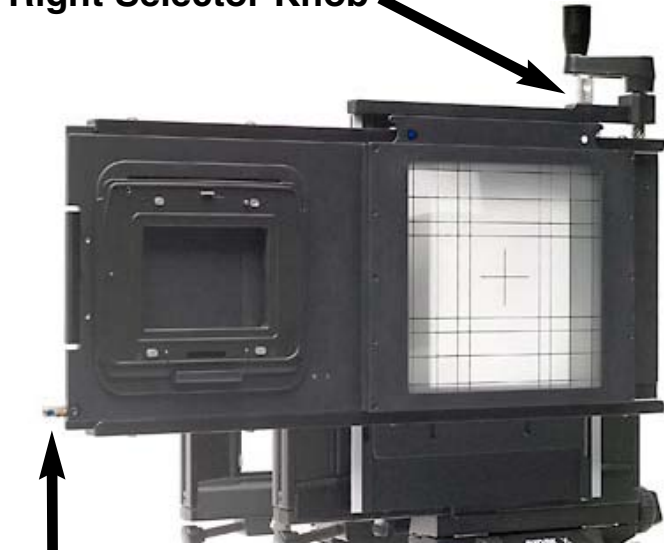
**Portrait Mount
4080 x 5436**



**Portrait Mount
Landscape Stitch
6880 x 5468**

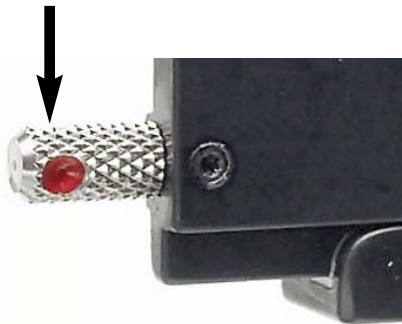
QuadStitch Sliding Back Operation

Right Selector Knob



The **Right Selector Knob** next to the crank **must be** set to its **RED** position for framing and composition. Notice how on page 2 the single capture portrait and landscape masks both have 2 red dots. This centers the back in the frame for single shot captures and selecting red on the selector knob also centers your mask for framing and composing.

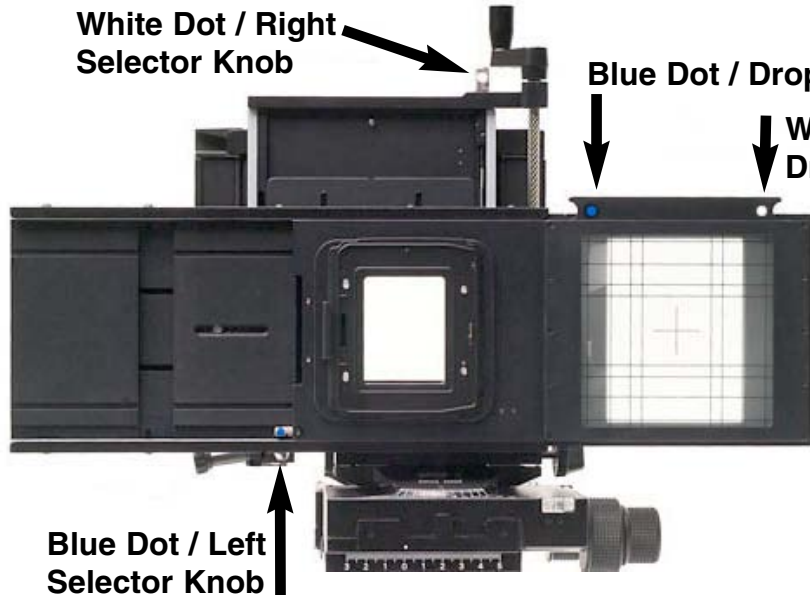
Left Selector Knob



After composing and focus is complete the Right Selector Knob may need to be rotated from red to a different color before sliding your digital back into capture position. It is very important to **first turn the top crank about one half turn clockwise**. Now you can easily rotate the selector knob and feel its corresponding detent engage. Turning the crank just a little actually releases the sliding back from center detent.

The **Left Selector Knob** must be **adjusted** to its corresponding mask color code **while the sliding back is in place for focus and framing**. The Right Selector Knob should already be set to red at that point. Adjusting the Left Selector Knob while in the focus and compose mode will have no affect on framing or focus. You are simply setting the overlap detents to be used for that masking and back orientation.

White Dot / Right Selector Knob



Blue Dot / Drop-in Mask

White Dot / Drop-in Mask

Blue Dot / Left Selector Knob

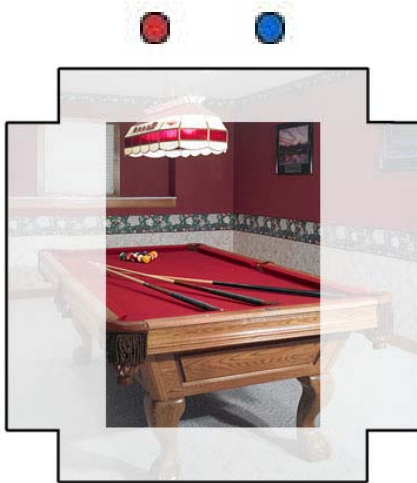
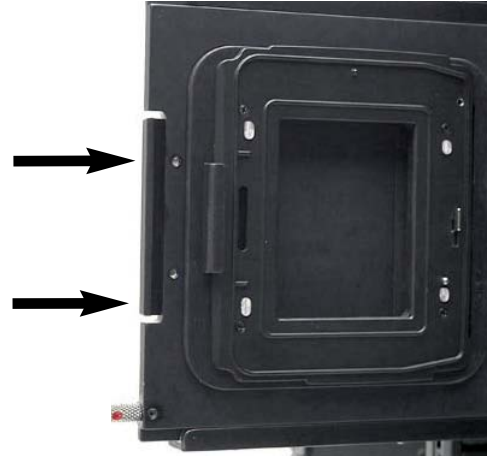
Portrait Mount / Portrait Quad Stitch

In the illustration above notice how the Left and Right Selector Knobs match the drop-in mask color codes. Remember to always set the Right Selector Knob to RED for composing. Then rotate both selector knobs to match the color code of the mask before sliding the back into position for imaging

QuadStitch Sliding Back Operation

Attaching and detaching your digital back

Kapture Group sliding backs adapters use a quick release system to remove and replace your digital back. This allows you to switch from portrait mount to landscape mount in just a few seconds. The spring loaded release lever indicated by the two arrows to the right appears to be almost flush with the sliding back. This is to eliminate the possibility of it catching on something and releasing accidentally. To detach the drop-in rotatable insert pull the lever outward. Always make sure you have a good grip on your digital back before pulling the release lever.



**Landscape Mount
Portrait Stitch
5468 x 6880**

Using the crank: The crank is used to raise and lower your digital back into position both for framing and capture. When framing your shot set the Right Selector Knob to red using the method described on page 3. If the mask has a corresponding red dot the crank will not be needed for the shot after it has been set to red for framing and focus. The crank will only be used during the capture process if the mask indicates a portrait stitch.

Portrait stitching: Set the Right Selector Knob to blue or white and always make your first capture is in the upper left quadrant for a 4 capture quad stitch or the upper center quadrant for a 2 capture portrait stitch. Cranking the back downward between captures is very smooth and reduces the chance of camera movement. Capturing a quad stitch in a clockwise rotation assures the crank is only used once to lower your back into position for capture number 3.

Sliding your digital back left and right: Several stitching options require the digital back to slide left or right to make a capture. Adjusting the Left and Right Selector Knobs actually set different detents. The detents need to change depending on back orientation in order to produce the correct overlap for stitching. When sliding your digital back into a detent it engages quite positively but it is possibly to travel past a detent if you are not careful.

Important: Never use the digital back to move the sliding adapter. When not in use the QuadStitch should always be stored with any horizontal or vertical stops engaged.

Kapture Group supports the Hasselblad V, Hasselblad H (shown above) Mamiya 645AFD and Contax 645 camera platforms. One note regarding the Hasselblad H adapter plate. All of the other digital backs have releases built into their backs. The Hasselblad H version does not therefore you must first release the plate from the sliding back before detaching from the drop-in insert. A release pin on the chip side of the adapter plate will release the back from the plate when pressed.

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