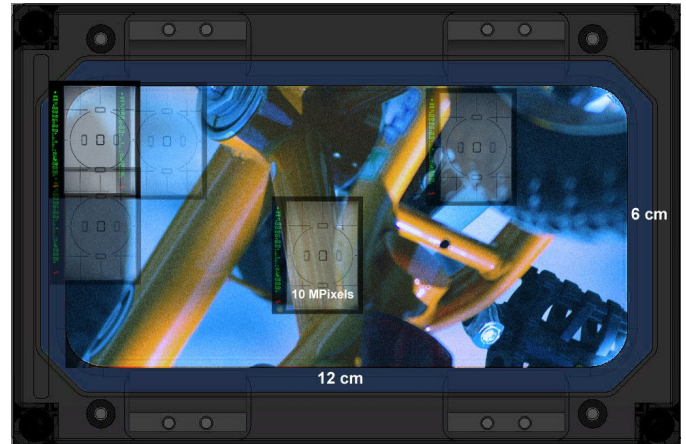




Combine DSLR Capture with any 4x5 Large Format Camera that has a Grafflok back.



Ultra large digital image captures of the entire ground glass by capturing image tiles across X and Y directions.

Large Format Scanning Back: 'MetaFormat Stitching Back' Create the highest quality image with any aspect ratio

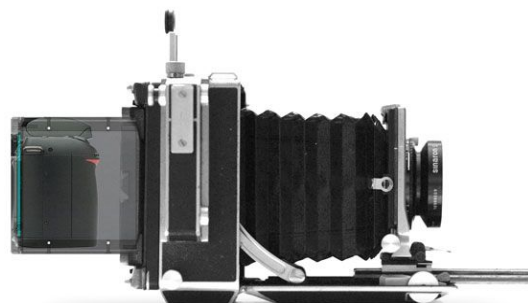
The MetaFormat Stitching Back is a mechanical adapter that mates a Digital SLR camera to any Large Format camera equipped to support universal Grafflok or International backs. The MetaFormat stitching adapter is mounted on the Large Format camera, and a Digital SLR is attached to the MetaFormat adapter, using a supplied Canon or Nikon bayonet mount. The digital camera can be moved in either the X or Y axis of the film plane, making it possible to capture one or more images that can later be stitched together on a PC, Mac or Linux.

- **Dust protection of the DSLR body** is critical when operating the DSLR without a conventional lens. The SB-01 incorporates an optional optical filter to fully enclose the cavity of the DSLR camera, when it is mounted on a large format body.

- **Precision X and Y axis scanning of the large format image circle** is required in order to produce a seamless large format image using stitching software. The SB-01 is precision machined to a tolerance of +/- 0.001 inches, in order to ensure perfect tracking of the scanning mechanism.



- **Ground Glass composition** and preview of the captured image is essential in the creative process. The SB-01 provides a calibrated ground glass replacement (GG-01), which ensures that ground glass focus is maintained at the focal plane of the DSLR camera.



- **A 4x5 mount optimized for wide format 6x12 image capture** makes it possible to capture image sizes as large as 15,000 x 7,500 Pixels with a 6 Megapixel DSLR.
- **Robust metering and exposure** via the built in features in the DSLR camera are welcome new additions to the large format photography process. By using a digital workflow, it is possible to perform TTL spot metering across the entire 6x12 ground glass. The need for polaroid test images is entirely eliminated.



- **A quick and easy workflow** using all digital capture, eliminates the time consuming and costly process of developing and scanning film. The digital darkroom has already revolutionized SLR photography, now it can be applied to Large Format photography as well.

Usage:

Metaformat photography with the SB-01 is very similar to the process of using a large format camera for film photography.

Step 1. Composition is the first step in the creative process. This is done using the full range of movements available with a view camera. The image is composed on a calibrated ground glass, that is supplied with the SB-01. The ground glass is attached to the view camera, using a universal graflok adapter.



Using the ground glass, it is possible to adjust the view camera movements for optimal capture of the image, with respect to framing, as well as tilt, shift and depth of field adjustment. Once this step is completed, the ground glass assembly is removed from the view camera, and the stitching adapter SB-01 is mounted in its place.



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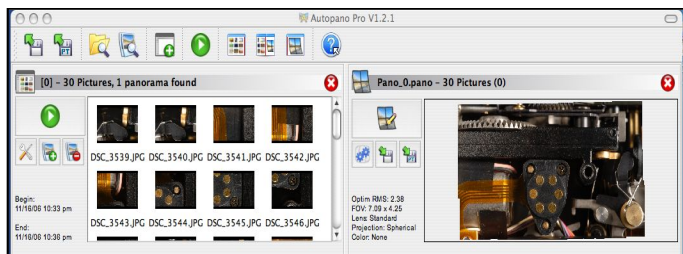
Step 2. Metering and Capture

are performed on the image using the SB-01 stitching adapter. The digital SLR camera is attached to the SB-01 using a standard bayonet. The stitching adapter supports both Canon and Nikon mounts. Using the X and Y movements of the SB-01, it is possible to position the DSLR camera anywhere within the



6x12 image capture frame, for both metering and capture. Image aspect ratio, and overlap are user adjustable in mm steps.

Step 3. Stitching the digital image tiles that are captured, into a single large image is the final step. This stitching can be done using either commercial or public domain software. CameraFusion supplies complete instructions for using freely available software to assemble the final images.



Examples

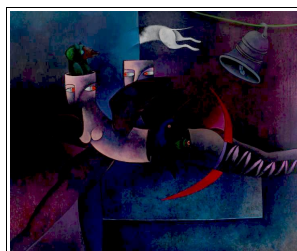
Macro Photography with seamless stitching of multiple DSLR frames, makes it possible to produce breath taking resolution, without compromising on depth of field, and view camera controls.



Mamiya RB67 Gears

Nikon D200 on Sinar 4x5
Lens: 90mm F22
Image: 27 D200 Frames
140 Mega Pixels
15608 x 9140
Print: 50" x 30" @ 300 DPI

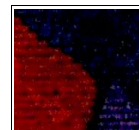
Art Reproduction requires life size prints with a rendering of details that is faithful to the original artwork. For typical prints at 300 DPI, this translates into image sizes of 100 MPixels or more. Life size prints will reproduce even the subtle grain of the artist's canvas (inset).



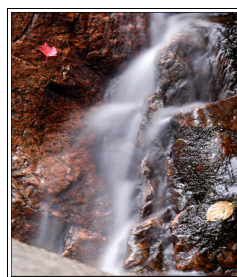
Oil and Acrylic on Canvas

Nikon D200 on Crown Graphic
Lens: Sinaron 210 mm F11
Image: 18 D200 Frames
100 Mega Pixels
10103 x 9140

Print: 33" x 30" @ 300 DPI



Nature and Landscape can be challenging subjects for stitching adapters. Robust stitching and blending software makes it possible to capture flowing water, without any visible discontinuities, or seams.



Misty Waterfall

Nikon D200 on Linhof Technica III
Lens: Sinaron 210 mm F5.6
Image: 12 D200 Frames
60 Mega Pixels
7128 x 8417

Print: 24" x 28" @ 300 DPI

Physical Dimensions

SB-01

dimensions: 12cm x 4cm x 30cm
scanning area: 6 cm x 12 cm
bayonet mount: Canon or Nikon (specify at Order time)

GG-01

dimensions: 10cm x 10cm x 15cm
mount: Graflok/International



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