

SBMPS

Slide Back Multi Positioning System

The cheapest way to get incredible resolution in stills photography

SBMPS

The new **Slide-Back Multi-Positioning System (SBMPS)** offers you the possibility to create still-life pictures in nearly unlimited resolution.

SBMPS is an adapter system, which can be fastened to any given Grafflock large-format camera system. The adapter enables to exactly slide the digital photo capturing system (DSLR, DigiBack, PS-Cams and so on) on the set perspective plane of such camera systems.

The positioning is controlled electronically. This enables to stitch the entire plane of a large-format camera.

Therefore you are able to use the full size of a e. g. 4x5 inch film negative.

With a DSLR sensor with crop factor 1.6 (15x22.5 mm) and 10 MP resolution one can create a picture of approx. 400 MP.

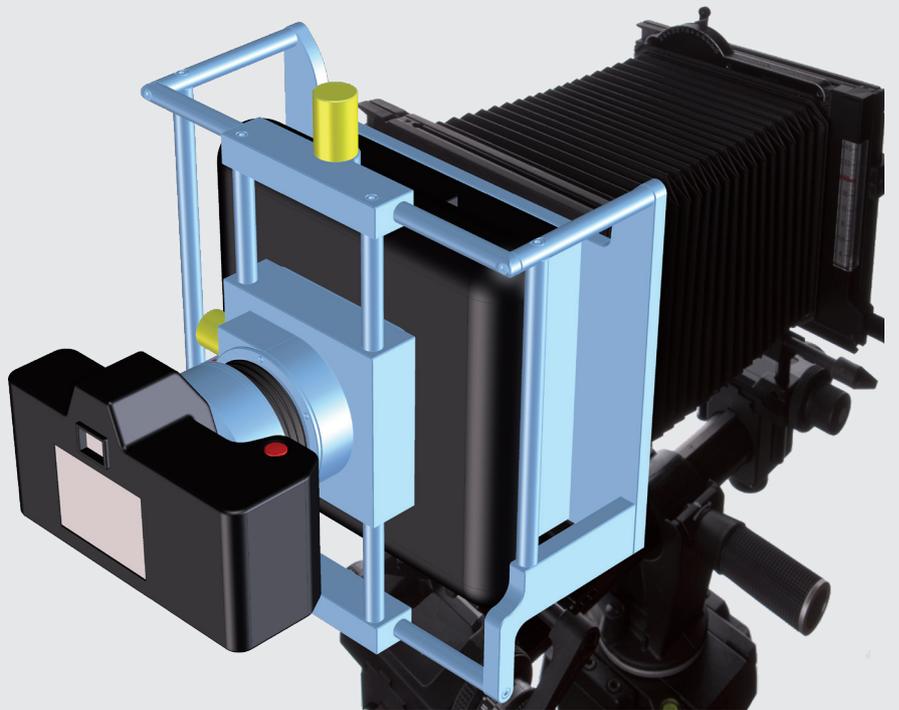
Composing

To create a composing of an entire negative on a smaller picture area, a reduction lens or another optical device is being used. In other words the composing is actually done on a smaller picture. Afterwards the optical device can be removed and the entire negative will be scanned.

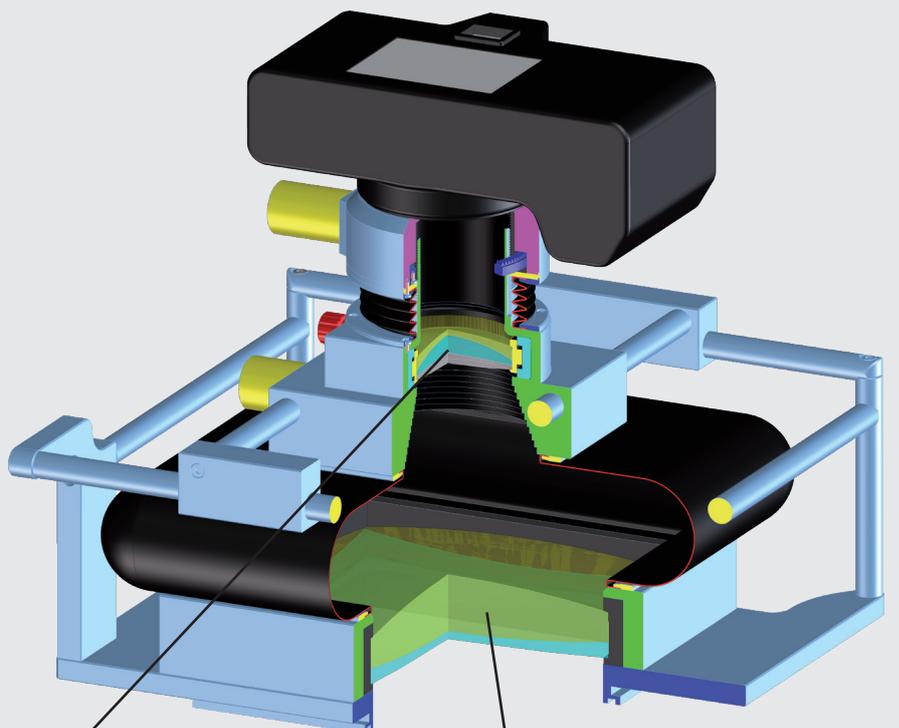
Other possibilities of application

The **SBMPS** can be attached to a telescope or a microscope.

The SBMPS adapter for a DSLR, attached to a large-format camera



Virtual crop of a SBMPS adapter for a DSLR



Compositing optics
(Reducing Lens)

Projection optics

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Single-Sensor

The entire negative frame is scanned with the **SBMPS** and a DSLR, DigiBack etc. Using an XXL large-format camera with a negative size of 10x10 Inch, a picture size of 1'800 megapixels can be achieved.

This is a new dimension in digital photography. We are talking of **1.8 gigapixels**.

Multi-sensor

Another aspect of this technical innovation comprises the working method with multiple digital image sensors. If multiple small sensors (with adequate high quality) are geometrically aligned, wide picture areas can be scanned and stiched within a short time period. This kind of imaging method can also enhance the resolution by a large amount and nevertheless can be applied in a very cost-effective manner. Multiple high-quality but small image sensors are more cost-efficient than large-scale sensors.

Legal Notice

«Patent Pending / For the technical innovations presented in this flyer a PCT patent application has been filed»

Contact the innovators under:

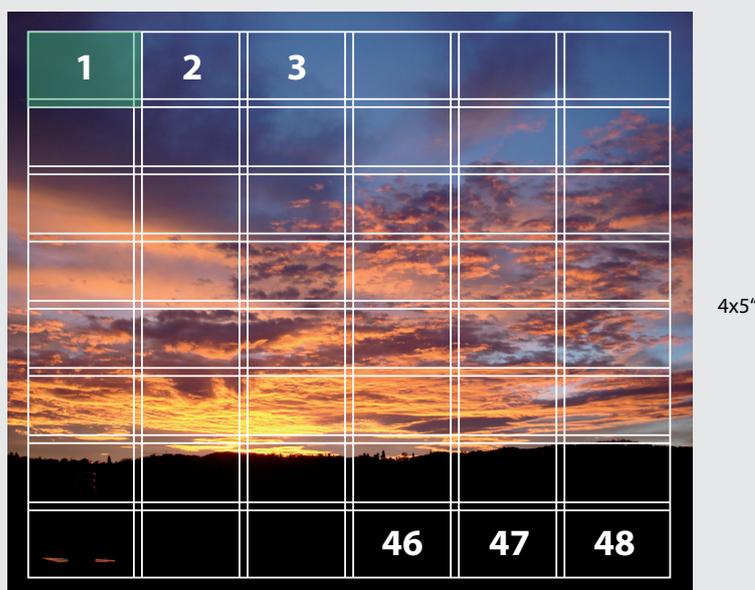
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Stiching examples with a single sensor

The composing with the compositing optics and the live-view function is started from the middle. Then the compositing optics is removed and the desired negative area is scanned. This takes approx. 20 seconds.



Stiching example with multiple sensors

Four positions and three moves suffice to scan the entire focusing screen area. It takes approx. 1 second.



1 Start position



2 Horizontal move



4 Horizontal move



3 Vertical move