

CAMBO

WHERE TRADITION MEETS VISION

ACTUS

View Camera System

Perspective Control - Selective Sharpness - Macro Extension



Cambo – founded in 1946 - is best known for its long history as manufacturer of professional view cameras. Since the introduction of digital SLR cameras Cambo have designed and developed innovative camera platforms, to adapt the latest digital SLR's to a view camera. The Cambo Ultima-35 and X2-Pro offered the possibilities of a real technical camera for the photographer, without the necessity of the investment in a standalone digital camera back. These camera systems are in daily use, in many photo studios around the world.

Today, with the rising interest in mirror less technology, Cambo have designed a new view camera system, adapting the mirror less body as a 'Digital Back'. The footprint of this system is much smaller and lighter than before. A digital camera without a mirror box also opens up more possibilities for better quality optics. From the classic 'legacy' large format lenses, enlarger lenses, camera system lenses to the high quality digital lens range from Schneider and Rodenstock - the possibilities are endless.

Since introducing the Actus for the mirror less and DSLR camera bodies, Cambo have expanded the system by designing the Actus-DB that can host a digital back on the rear standard. Built from the same components with the same passion, but with new potential in mind.

*We proudly present you: **The CAMBO ACTUS SERIES***

Tilt, Swing and Shift possibilities combined in a compact and lightweight camera. Also when shooting on location you don't have to limit yourself because of size and weight!



ACTUS DB with Digital Back and Schneider 43XL lens

The Actus offers you image control settings, that can only be achieved using a view camera, nevertheless combined in a unique compact and portable camera. Thanks to the tilt and swing possibilities on the front standard and a rear standard offering rise and fall and horizontal shift, photographers will have full control on depth of field, sharpness and perspective.

When using a digital back, you take advantage of the compatibility with the existing interfaces from Cambo's Sliding Back and WideRS series cameras.

When using a system camera body, the camera body of your choice is attached to the Actus by clicking it on to a rotating bayonet. This allows you to easily transfer from landscape to portrait using one movement without removing anything.

Bayonets are available for the mirrorless Sony cameras, the Fuji X-System, various Micro 4/3, Leica M cameras and also for Nikon D/F* and Canon Eos*.

* When adapting a DSLR the practical use of wide angle lenses will only be limited possible, due to the mirror box of these cameras bodies and the recessed sensor.



ACTUS with mirrorless camera body and Hasselblad Zeiss Planar lens



Let's take a look at the rear standard. It offers 40mm side shift using a quick slide and has a locking knob. The 12mm rise and 15mm fall is driven with a lockable fine gear. The optimum control of perspective enhances your creativity and quality possibilities for landscape, architecture and product photography.

Because all movements are performed with the rear standard, the Actus is ideally designed for stitching. The lens always stays in place, only the rear standard moves, the relative perspective isn't changing!

The connection between focal plane and front standard is made with a leather bellows, which is attached using magnets on both standards. It simply clicks on both sides. Apart from the normal bellows you can choose for a shorter wide angle bellows or longer bellows in combination with longer monorails.

The lens plates are fast and easy to exchange thanks to one quick lock. Currently available are lens plates for #0/NK-0 and #1 lenses, and M39 (enlarging) lenses with Leica thread.

You can also choose an adapter plate for lenses with Hasselblad V-bayonet and Mamiya RZ/RB-bayonet, as well as Mamiya 645Pro and Pentax645. More MF may follow.

For cameras using a smaller sensor (like Fuji-X, Micro 4/3) there is a possibility to use 35mm lenses. Cambo offers adapter lens plates with Nikon-F and Leica-R bayonet, while a Canon EOS bayonet will follow soon. These are also usable with most mirrorless cameras using full-frame sensors, be it limited, based on their specific image circle.

The monorails of the Cambo Actus have both (3/8" and 1/4") mounting threads and are also compatible with the Arca quick release system, such as Cambo's CBH-6.



The front standard's tilt can be adjusted by 19°, the swing can do much more, even up to 360°. Needless to say, both by means of high precision fine gearing. These adjustments make it possible to change your selective sharpness plane, either to increase or to specify exactly your sharpness plane using Scheimpflug settings.

Rotating the front swing by 180° allows you to mount the lens plate all the way on the front, gaining an extra 48mm of extension for longer lenses or being closer up.





Applications

The use of a view camera means an enhancement of your photographic image creating possibilities.

In the studio, especially with macro, food and product photography, you gain the optimum control within your sharpness field.

This facilitates the use of selective sharpness. During photography of small objects it allows you to relocate the sharpness precisely to the plane where the sharpness is most needed.



The Actus also offers perspective control to those architectural and landscape photographers who really need this. This small and lightweight camera is extremely portable and is instantly ready to use!

Cambo Actus - Fuji X1 - 17mm Nikon comp. lens

ACTUS-DB

The ACTUS-DB is specifically designed for the use of digital backs. The system is using the same SLW interface plates from the well-known Cambo Wide RS series and Cambo's Ultima interfacing systems.

These interface plates can quickly and safely be inserted in either portrait or landscape mode. Digital backs from the manufacturers PhaseOne, Mamiya Leaf, Hasselblad and Sinar are supported, ranging from the entry models up to and including the latest versions.

Focussing can be done in several ways, either using the built-in live focussing option of the back, connecting to the software from the manufacturer or via the optional available ground glass frame WDS-619.

Bellows click on and off easily with magnets that assure a quick and secure way of attachment. The standard included ACDB-250 bellows has an extension that supports up to and including 120mm focal length. Longer extensions for real close-up may require an optional available longer bellows, see the scheme at the rear side.

Lens plates being used in combination with the Actus-DB have a second fitting position that allows for 9mm extra height adjustment. This way a vertical shift of 24mm will be achievable.

When using the Actus-DB you will need to use lenses that are able to trigger and synchronise the firing of the digital back. Lenses with Copal or E-Shutters are available from Cambo. As new shutter systems are developed Cambo will offer these in the future.



The Actus-DB features a convenient lens stop that limits the quick sliding movement. This serves two functions. First you can set the infinity distance of your lens as a reference point and second it protects the rear element from touching the sensor of the digital back.





When shooting food and product photography, you will need the optimum control over your sharpness.

Setting your sharpness plane where you need it, setting a very shallow depth of field where you want it, control this accurately by using tilt and swing; either one of these or both simultaneously - that is the art of photography.

Scheimpflug settings are used for selective sharpness. The Cambo ACTUS series allows you to optimise these adjustments, no matter what lens is mounted on the front standard. Of course, a larger image circle will allow for additional image shifts, but even with a small image circle you can take advantage of the depth of field corrections.

Cambo Actus - Sony A7R - Schneider 120 Macro Digital
Images by 51 Degrees North Studios (UK)

Accessories for ACTUS: *note ACB is black anodised, ACT is titanium grey anodised colour.*



ACB-39
ACT-39



ACB-HA
ACT-HA



ACB-RZ
ACT-RZ



ACB-M645
ACT-M645



ACB-P645
ACT-P645



ACB-LR
ACT-LR



ACB-NF
ACT-NF



ACB-CA
ACT-CA



ACB-310/ACT-311
Non-rotating
rear standard



AC-780
Canon EOS



AC-783
Nikon F-mount



AC-785
Leica M-mount



AC-786
Sony E-mount



AC-788
Micro 4/3



AC-789
Olympus OMD



AC-790
Fujifilm X-mount



AC-212
Short bellows
40mm extension



AC-214
Longer bellows
300mm extension

Accessories for ACTUS and ACTUS-DB: *note ACB is black anodised, ACT is titanium grey anodised colour.*



ACB-0
ACT-0



ACB-1
ACT-1



CBH-6
Dedicated Ball
Head for ACTUS



AC-356/ACT-357
Spirit level set
for rear standard



AC-315 - AC-330 - AC-345
Monorails for ACTUS
lengths 155mm, 300mm, 450mm

Accessories only for ACTUS-DB: *note ACB is black anodised, ACT is titanium grey anodised colour.*



ACB-WRS



ACB-ALP



SLW-80



SLW-81



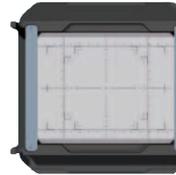
SLW-87



SLW-88



SLW-89



WDS-619



WRS-1068



ACDB-250



ACDB-252



ACDB-254



ACDB-950

Always check www.cambo.com for latest additions and changes



WDS-616



WDS-630

Technical Specifications ACTUS:

Size (L x W x H): 155 x 100 x 170 mm
 Weight (incl.bellows): 1100 gram
 Front Swing: 360 degrees
 Front Tilt: 19 degrees (+10/-9)
 Rear Shift vertical: 27mm (12/15)
 Rear Shift horizontal: 40mm (20/20)
 Focus reach:
 (lensplate to focal plane) up to 138mm (Sony E-mount)
 up to 164mm (Nikon F-mount)
 up to 166mm (Canon EOS-mount)

Lens plates options: Copal 0
 Copal 1
 Hasselblad C Bayonet
 M39 Leica thread
 Mamiya RZ/RB bayonet
 Mamiya 645 Pro bayonet (mirror less b.only)
 Pentax 645 bayonet (mirror less bodies only)
 Leica R Bayonet (for mirror less bodies only)
 Nikon-F Bayonet (for mirror less bodies only)
 Canon-EOS bayonet (mirror less bodies only)

Bayonet mounting options: Canon EOS body *except 1D(s) series
 Nikon F-mount body *except D3/D4 series
 Sony E-mount body *incl. Hasselblad Lunar
 Leica M-mount body
 Fujifilm X-mount body
 Micro Four-Third body
 Olympus OMD series body

Available Colour: Black anodised
 Titanium grey anodised (option)

Packing: Boxed in a foam interior that fits directly into an optional Pelistorm Case iM2075

Technical Specifications ACTUS-DB:

Size (L x W x H): 160 x 115 x 210 mm
 Weight (incl.bellows): 1200 gram
 Front Swing: 360 degrees
 Front Tilt: 19 degrees (+10/-9)
 Rear Shift vertical: 27mm (12/15)
 Rear Shift horizontal: 40mm (20/20)
 Focus reach:
 (lensplate to focal plane) up to 130mm (standard rail)
 up to 275mm (opt. longer rail)
 up to 425mm (opt. macro rail)

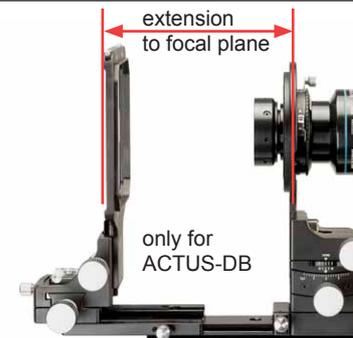
Lens plates options: Copal 0
 Copal 1
 WRS Adapting plate (for short barrel)
 ALPA Adapting plate (for short barrel)

Digiback Interface options: Hasselblad-V
 Hasselblad-H
 PhaseOne/Leaf Mamiya
 Contax645
 Leaf Afi/Sinar HY6

Analog options: WDS-619 ground glass
 WDS-616 viewing loupe
 WDS-630 shiftable viewing loupe
 WRS-1068 RF back adapter

Available Colour: Black anodised

Packing: Boxed in a foam interior that fits directly into an optional Pelistorm Case iM2075



Focal length:	Infinity reach:	Bellows needed:	1:1 possible:	Bellows advised:
Rodenstock:				
23HR	yes	wide	yes	normal
28HR	yes	wide	yes	normal
32HR	yes	normal	yes	normal
35HR	yes	normal	yes	normal
40HR	yes	normal	yes	normal
50HR	yes	normal	yes	normal
60HR	yes	normal	yes	long
70HR	yes	normal	AC-330	long
90HR	yes	normal	AC-330	long
105	yes	normal	AC-330	long
135	AC-330	long	AC-330	long
180	AC-330	long	AC-345	macro
Schneider:				
35XL	yes	wide	yes	normal
43XL	yes	wide	yes	normal
47XL	yes	normal	yes	normal
60XL	yes	normal	yes	long
72L	yes	normal	AC-330	long
80N	yes	normal	AC-330	long
90N	yes	normal	AC-330	long
120L	yes	normal	AC-330	long
150L	AC-330	long	AC-345	macro

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