

CAMBO
WHERE TRADITION MEETS VISION



ULTIMA SYSTEM



THE ULTIMA SYSTEM

Precision image control is as important in today's digital world as it ever was in the days of large format film. As a professional photographer, whether you're shooting tabletops, architecture, portraits, landscapes or a myriad of other subjects, you need the most precise focusing, perspective control and image capturing capabilities you can get your hands on. Now you can get it all with the Cambo Ultima system.

System is the operative word when it comes to the Cambo Ultima. Unlike any other imaging system on the market today, the Cambo Ultima offers unlimited possibilities. It is modular beyond belief, allowing for interchangeability of all popular formats: digital SLR, medium format digital backs and 4x5. Each version of this amazing system — the Ultima 35, the Ultima 23 and the Ultima 45 — is engineered to maximise the imaging possibilities unique to each format.

Starting with a solid foundation, the Cambo Ultima system provides a firm base from which all formats are formed. While rigidity is certainly important, the proof of the Ultima system's merit to you is found in the precision of its movements. Finely geared and calibrated image- and perspective-controls are unusually smooth and precisely repeatable.

From there on up the Ultima system allows you to grow in any direction you need: digital or film, wide angle or macro, studio or location, single image or multi-image, stitched panoramic. The sky is the limit.

For more than 60 years, Cambo Fotografische has been completely focused on photography and is one of the world's top manufacturers of view cameras and studio stands. We have never wavered from our goal of producing the finest quality products for an affordable price and we have continuously remained committed to improving our designs. Focus, dedication and attention to detail is the formula for Cambo's success.



PRECISION

At the heart of the entire Ultima system is one shared foundation. This base structure and mechanism consists of a rigid monorail and tripod mounting block and two very solid and sophisticated movement blocks. In addition to offering the rock-solid support demanded by today's digital and technical view camera photographers, the Ultima's base provides unparalleled precision image- and perspective-control movements with revolutionary design features.

PRECISION GEARED MOVEMENTS

For the ultimate performance and functionality, the Ultima base provides precision geared controls for all movements: vertical and lateral shifts, tilts and swings. Its dual-range focusing offers both coarse and finely geared controls. Zero-position detents and symmetrical design on both the front and rear standards provide quick and easy setups.

REFERENCE SCALES

In order to ensure precise movements and repeatability, each image and perspective control movement, as well as focusing, features calibrated reference scales.

DEPTH-OF-FIELD CONTROL

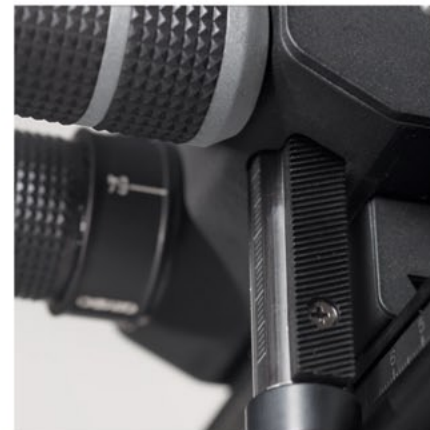
Creative portraiture, glamour and fashion photography, much less everyday tabletop photography are best explored with the swings and tilts of the view camera which enable you to play with the plane of focus and other selective focusing techniques. A built-in depth-of-field scale on the rear focusing block allows you to precisely pinpoint exactly where your field of focus starts and stops.

SECURE LOCKING SYSTEMS

For added protection of expensive backs and lenses, safety locks on both the front and rear standards prevent accidental opening.



REFERENCE SCALES



PRECISION GEARED MOVEMENTS



SECURE LOCKING SYSTEM

THE STRENGTH AND POTENTIAL OF ANY STRUCTURE CAN BE FOUND IN ITS FOUNDATION.

RIGID CONSTRUCTION AND COMPACT DESIGN

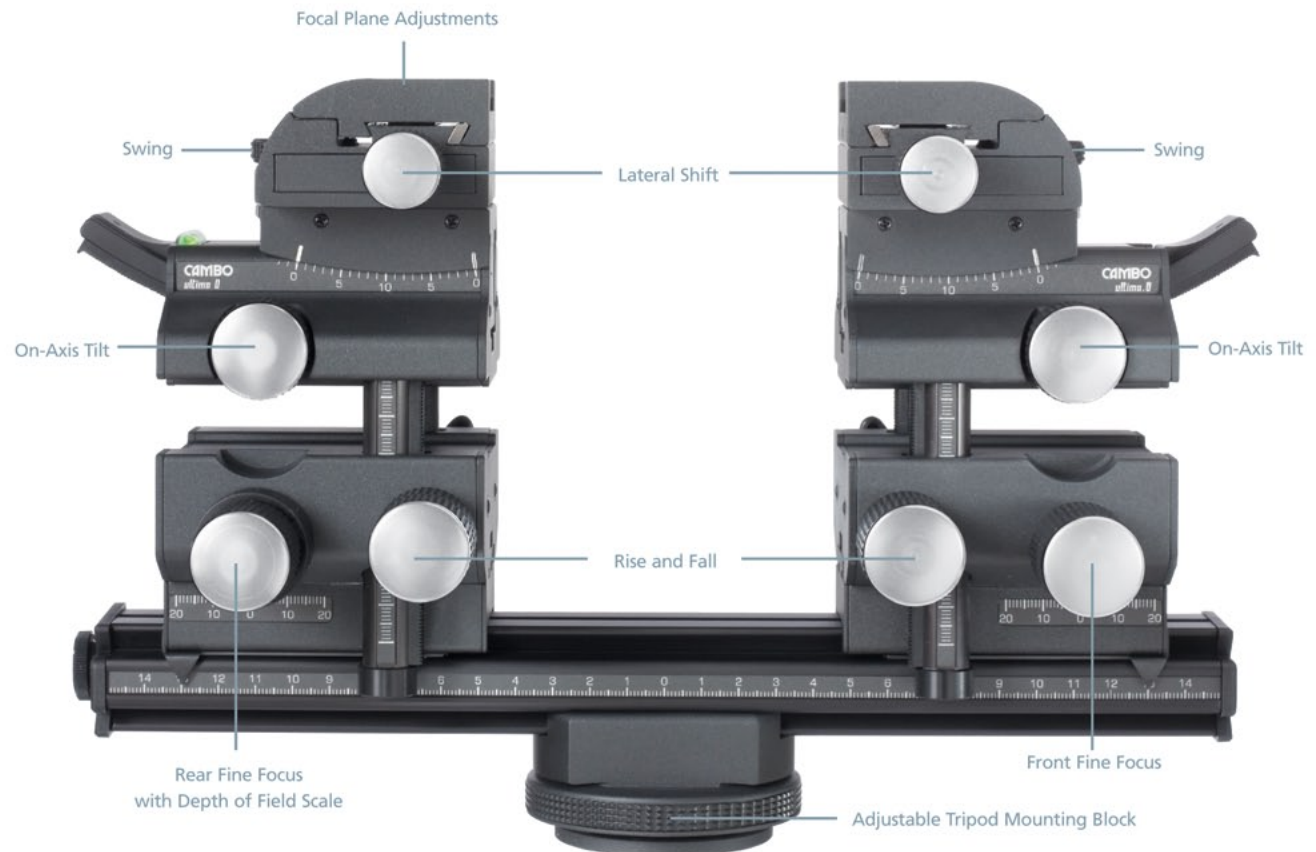
Since digital backs and compatible electronic shutter systems can weigh significantly more than traditional film backs and lenses, it is important to have a camera that provides a solid foundation and unswaying support. The Ultima provides just that, and yet its compact design offers plenty of portability for location photographers.

YAW-FREE ON-AXIS TILTS

Cambo's exclusive variable focal-plane-setting control allows you to adjust the focal plane to precisely match the position of the many different digital backs on the market today. This makes it possible to bring each different back exactly to the vertical and horizontal swing and tilt axis, thus minimizing time-consuming readjustments when applying those image-control movements.



YAW-FREE ON-AXIS TILTS



23

ULTIMA

This is the perfect camera for high-quality medium format imaging. Designed primarily for use with the wide range of medium format digital backs on the market, the Ultima 23 is also available for use with roll-film backs as well.

ULTIMA 23D

Shown here at the far right, the Ultima 23D setup can be configured to accept any medium format digital back on the market today. The camera includes the Ultima base foundation with a 30cm/12" monorail, a short, bag-style bellows and both front and rear frames. Through Cambo's extensive accessory system and wide choice of adapting plates, it is possible to adapt the Ultima 23D camera to accept most medium format systems, including the popular mounts of Hasselblad H and V systems; Mamiya 645AFD, RB and RZ systems; Leaf Afi and Sinar HY6 systems and Contax 645AF. Choose from three different types of interfacing: direct adapting plates for live focusing backs, a sliding back for non-live focusing backs and a Multi Step back for creating larger image files through stitching.

ULTIMA 23

Designed to be used with any 2 1/4" Graflok-compatible, Horseman or Mamiya RB back, the Ultima 23 includes the Ultima base camera with a split 30 + 15cm/12 + 6" monorail, a standard pleated bellows, both front and rear frames and a ground glass back.

STANDARD BELLOWS SF-62

If you want to use your Ultima 23D for close-up applications or for use with lenses with a focal length longer than 120mm, this pleated bellows provides the extra extension required. Most applications will require the use of the 15cm/6" monorail extension (UL-15).



COMPENDIUM LENS HOOD UL-343

This lightweight, self-supporting compendium lens shade features a self-locking bellows that stays in any position in which it is placed. It mounts directly to the front standard of the camera and is recommended for use in studio and location applications. It accommodates full view camera movements.



MULTI-SHOT SLIDING BACK CMSL-69

Speed up your digital shooting and increase your output with this convenient accessory. This back mounts directly to the camera's rear frame and accepts most medium format digital backs, including Leaf, Phase One, Hasselblad and Sinar. Its ground glass and flexible focusing loupe allow you to compose and focus directly through the camera and then slide the digital back into place in one easy step. It can be used to capture individual images or to place two or three images next to each other, which can be later "stitched" together into larger files to create expansive panoramics.



REFLEX VIEWING HOOD SLV-945

This hood allows you to view your ground glass image right-side up while using the sliding back.



FLEXIBLE FOCUSING HOOD SLV-616

This hood can be mounted on the sliding back and easily removed for direct viewing. It accepts SLM-masks with different CCD-sizes.



INTERCHANGEABLE INSERTS FOR STITCHING DIFFERENT SIZE SENSORS





© PHOTO BY LARRY GUYER

23

CAMBO ULTIMA SYSTEM

UNIQUE ULTIMA 23 FEATURES INCLUDE:

- Precision geared rise and fall, lateral shift, swing and tilt movements with convenient self-locking swings and tilts
- Variable focal plane control allows you to adjust the tilt and swing axis points to match the many digital backs on the market today, thus minimizing time-consuming readjustments when applying those movements
- Safety locks on both the front and rear standards to protect accidental openings, thus protecting your expensive lenses and digital backs
- Dual-range focusing for rapid coarse and precision fine focusing
- Depth-of-field scale on rear standard
- Virtual pivot design offers yaw-free variable-axis tilts
- Zero-position detents and symmetrical design on front and rear standards provides quick and easy setups
- Unique compact design offers plenty of portability for location shots
- Design also allows for the use of lenses down to 47mm without requiring a recessed lensboard when using the direct adapter
- High-quality aluminum body with durable metallic finish is both attractive and long-lasting



45 ULTIMA

The standard studio 4x5 view camera is alive and well with the Ultima 45 setup. If you are using high-end, large format scanning backs or shooting large format, 4x5 sheet film and require the full range of image and perspective-control movements, this camera offers the complete solution. If you are seeking a high-resolution digital view camera that can also be adapted to accept large format film, the Ultima 45D is the answer.

DELUXE COMPENDIUM LENS HOOD C-341

Improve the quality of your images with this deluxe lens hood. Its adjustable bellows offers flexible directional control and can remain placed into any position by its self-supporting construction. It mounts directly to the camera's lensboard frame and can be flipped up for easy lens setting and adjustments. It also features a continuously adjustable filter slot for 75, 100 or 125mm framed filters and a lightweight front plate that holds four adjustable vignettters.



COMPENDIUM LENS HOOD C-340

This lightweight, self-supporting compendium lens shade features a self-locking bellows which stays in any position in which it is placed. It mounts directly to the front standard of the camera and is recommended for use in studio and location applications. It accommodates full view camera movements.



WIDE ANGLE BELLOWS UL-318

Ideal for adapting the Ultima 45 for the use of shorter focal length lenses for wide angle photography or for converting the camera for use with medium format digital backs.



BINOCULAR REFLEX VIEWING HOOD C-288

View your entire 4x5 image area unencumbered and right-side-up. This convenient and lightweight viewing hood is great working in the field or with an art director who only sees things right side up. Its bright 1.5X magnification diopters are housed within a rubber hood for comfortable, precise viewing with both eyes without extraneous light. May be mounted horizontally or vertically. A sharp, front-surface adjustable mirror covers the entire image area, so you are always viewing the brightest possible image.



MULTI-SHOT SLIDING BACK CMSL-45

This back mounts directly to the camera's rear frame and accepts most medium format digital backs, including Leaf, Phase One, Hasselblad and Sinar. Its ground glass and flexible focusing loupe allow you to compose and focus directly through the camera and then slide the digital back into place in one easy step. It can be used to capture individual images or to place two or three images next to each other, which can be later "stitched" together into larger files to create dramatic panoramics.



REFLEX VIEWING HOOD SLV-945

This hood allows you to view your ground glass image right-side up while using the sliding back.



FLEXIBLE FOCUSING HOOD SLV-616

This hood can be mounted on the sliding back and easily removed for direct viewing. It accepts SLM-masks with different CCD-sizes.



INTERCHANGEABLE INSERTS FOR STITCHING DIFFERENT SIZE SENSORS





© PHOTO BY JOHN UHER

45

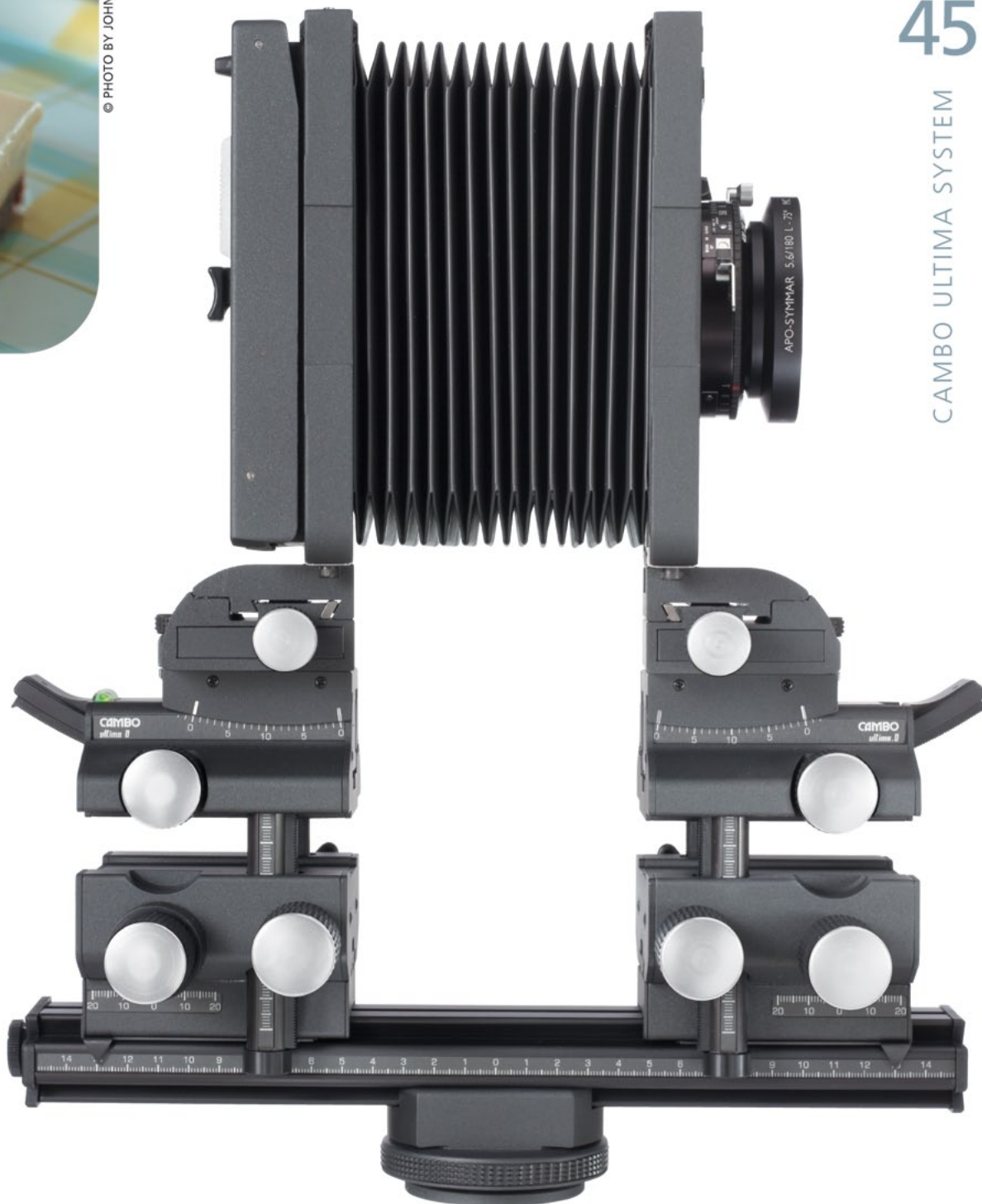
CAMBO ULTIMA SYSTEM

ULTIMA 45

Here is a classic 4x5 monorail studio view camera with sophisticated styling and precision movements. The Ultima 45 includes a split 30 + 15cm/12 + 6" monorail, a standard pleated bellows, both front and rear frames and 4x5 ground glass back.

ULTIMA 45D

Includes a 30cm/12" monorail and a short, bag-style bellows. The 45D can be adapted to accept any medium format digital back on the market today with the use of a sliding back or direct adapter.



35

ULTIMA

Never before have digital imaging, 35mm portability and view camera technology been so closely linked. The Ultima 35 is a uniquely designed view camera that accepts a variety of professional SLR cameras to provide them with the image-control capabilities of the view camera. The Ultima 35 system features custom camera mounting blocks for each of the different digital SLR camera models that place the camera's chip centered on the optical axis, thus eliminating the need for refocusing when applying tilts and swings. By utilizing the digital SLR camera as the capturing device, the Ultima 35 setup allows you to shoot tethered or untethered from the computer and for through-the-lens viewing and metering with most digital SLR cameras. For the optimum workflow, consider the latest DSLRs with Live video focusing.





© PHOTO BY ARNOLD TIOSE/O

CAMERA MOUNTING BLOCKS AND VERTICAL BRACKETS

Custom camera mounting blocks and vertical brackets are available for Canon EOS-1D Series, EOS-1Ds Mark III, 20D, and 5D bodies; Nikon D3 and D2 series bodies; Fujifilm S5 and S3 bodies; and Mamiya ZD bodies. Quick-release mounting plates make it a snap to switch digital SLR cameras or formats in seconds.

LENS COMPATIBILITY

The Ultima 35 also offers tremendous versatility when it comes to the choice of lenses that can be used with the system. It can be fitted with a choice of Schneider Apo-Digitar and Rodenstock Sironar digital lenses in addition to Hasselblad CF, Mamiya RB/RZ and Mamiya 645 Pro lenses.

COMPENDIUM LENS HOOD

This lightweight, self-supporting compendium lens shade features a self-locking bellows that stays in any position in which it is placed. It mounts directly to the front standard of the camera and is recommended for use in studio and location applications. It accommodates full view camera movements.

CONVERSION KITS

One huge advantage of the Ultima 35 setup for today's diversified photographers is that it can be easily and economically converted to accept a wide range of medium format digital backs with special conversion kits. See the last page of this brochure for details.

* BATTERY GRIP IS REQUIRED WITH CANON 20D, 30D, 40D AND 5D BODIES.



35

CAMBO ULTIMA SYSTEM

CAMERA ADAPTER ACCESSORIES



COMPLETE STICHED IMAGE



IMAGE 1 - LEFT OF CENTER



IMAGE 2 - CENTER

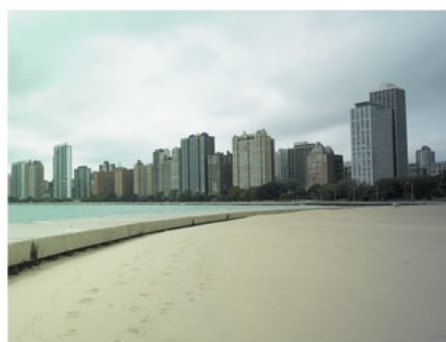


IMAGE 3 - RIGHT OF CENTER



DPB-23 DIRECT ADAPTER PLATE

This plate mounts directly to the back of the Ultima 23D and requires an interface plate specific to the medium format camera mount you are using.



SLW-80 IS FOR HASSELBLAD-V COMPATIBLE BACKS

This adapter will host a digital back with a Hasselblad-V interface. The digital back needs to be triggered externally, as no internal contacts are available. It is reversible for portrait or landscape modes.



SLW-89 IS FOR HASSELBLAD-H COMPATIBLE BACKS

This adapter will host a digital back with an H1 interface. The digital back needs to be triggered externally, as no internal contacts are available. It is reversible for portrait or landscape modes.



SLW-81 IS FOR LEAF AFI/SINAR HY6

This adapter will host a digital back with a Leaf Afi or Sinar HY6 interface. It is reversible for portrait or landscape modes.



SLW-88 IS FOR MAMIYA AFD COMPATIBLE BACKS

This adapter will host a digital back with a Mamiya 645 AFD interface. The digital back needs to be triggered externally, as no internal contacts are available. It is reversible for portrait or landscape modes.

ADDITIONAL ACCESSORIES



UNIVERSAL ACCESSORY HOLDER UL-8

This simple but versatile accessory mounts to the monorail of the Ultima. It features two accessory shoes that will hold an IR Flash unit or Radio Transmitter. It also has a hexagonal mount that accepts accessories from Manfrotto's Magic Arm or Flexible Arm systems to hold Rollei Lens Control unit or lens shading accessories.



SLV-945



SLV-616

REFLEX VIEWING HOOD SLV-945

This hood allows you to view your ground glass image right-side up while using the sliding back.

FLEXIBLE FOCUSING HOOD SLV-616

This hood can be mounted sliding back and easily removed for direct viewing. It accepts SLM-masks with different CCD-sizes.



INTERCHANGEABLE INSERTS FOR STITCHING DIFFERENT SIZE SENSORS. SEE PAGES 6 AND 8.

Multi-Shot Sliding Back

MULTI-SHOT SLIDING BACK

Speed up your digital shooting and increase your output with this convenient accessory. This back mounts directly to the rear frame and accepts most medium format digital backs, including Hasselblad, Leaf, Phase One and Sinar. Its ground glass and flexible focusing loupe allow you to compose and focus directly through the camera and then slide the digital back into place in one easy step. It can be used to capture individual images or to place two or three images next to each other, which can be later "stitched" together using special software into larger files to create dramatic panoramics.

The Multi Step Sliding Back requires a camera interface (Ultima 23, Ultima 45), a format insert mask and a mounting plate for a specific model medium format camera back.



CONVERSION KITS

ULTIMA 35-TO-ULTIMA 23 CONVERSION KIT UL-471

This kit allows you to shoot with medium format digital backs, including Hasselblad, Leaf, Phase One and Sinar. Kit includes a 23 rear frame and a bag bellows. Requires a direct adapter for backs with live video focusing or a Multi Shot Sliding Back (see previous page).



ULTIMA 35/23-TO-ULTIMA 4X5 CONVERSION KIT UL-470

Convert your Ultima 35 or Ultima 23 to a 4x5 film camera with this kit which includes a 4x5 rear frame, a 4x5 international ground glass back, a tapered bellows and a monorail extension.



ULTIMA 4X5-TO-ULTIMA 35 ADAPTER UL-472 (NOT SHOWN)

Converts your Ultima 4x5 into an Ultima 35. The kit includes an Ultima 35/23 front standard and requires a DSLR adapter kit.



ULTIMA 35/23-TO-ULTIMA 4X5 CONVERSION KIT
SHOWN MOUNTED.



OVERVIEW OF PARTS & ACCESSORIES

Monorail Extensions

LM-15	15cm/6"
LM-25	25cm/10"
LM-42	42cm/16"

Lensboards

SF-630	23/35 #0
SF-631	23/35 #1
SF-635	extra-recessed for 35XL
SF-72	23/35 recessed
C-223	45 #0
C-224	45 #1
C-225	45 #3
C-228	45 recessed #0
C-226	45 recessed #1

Compendium Shades

UL-343	for 23/35
C-340	basic for 45
C-341	deluxe for 45

Bellows

SF-62	23 (30cm (max. ext.))
SF-323	23 (12cm (max. ext.))
C-6	45 (50cm (max. ext.))
UL-318	45 (13cm (max. ext.))

Direct Adapters

DPB-23	23 w/o interface
DPB-45	45 w/o interface

Sliding Adapters

CMSL-69	for 23 setup
CMSL-45	for 45 setup

Inserts for Stitching

SLI-70	32x43/33x44 CCD
SLI-71	36x48/37x49 CCD
SLI-72	37x37 CCD
SLI-73	24x36 CCD

Interface Plates for

Direct or Multi Step Adapter

SLW-80	Hasselblad-V
SLW-81	Leaf AFi/Sinar HY6
SLW-87	Contax 645 AFd
SLW-88	Mamiya AFd
SLW-89	Hasselblad-H
Others available on request.	

Format Masks for

Multistep Adapter

SLM-90	for 24x36 format
SLM-92	for 37x37 format
SLM-95	for 36x48/37x49
SLM-97	for 32x43/33x44
SLM-93	for stitched 68x37
SLM-96	for stitched 68x49
SLM-98	for stitched 68x44

Conversion Kits

UL-470	from 23/35 to 4x5" film
UL-471	from 35 to 23 setup
UL-472	from 45 to 35 setup

Special Bellows

SF-76	23 to 45 tapered
SF-322	23 to 45 bag bellows
C-306	45 long extension (75cm)
Others available on request.	

Special Accessories

UL-8	Universal Accessory Mounting Block
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DEDICATED PARTS FOR 35 SETUP

Mounting Blocks

UL-501	Canon 1D(s) series
UL-504	Canon 1D(s) Mark III
UL-550	Canon 5D/20D/30D/40D
UL-532	Nikon D2 series
UL-533	Nikon D3 series
UL-540	Fujifilm S3
UL-550	Mamiya ZD

L-Brackets

UL-720	Canon 1D(s) series
UL-723	Canon 1D(s) Mark III
UL-751	Canon 5D/20D/30D/40D
UL-732	Nikon D2 series
UL-733	Nikon D3 series
UL-740	Fujifilm S3
UL-760	Mamiya ZD

Bellows

ULBC-35	with Canon Bayonet
ULBN-35	with Nikon Bayonet
ULBM-35	with Mamiya Bayonet

Adapting Lensboards:

ULH-23	for Hasselblad CF lens
ULMRB	for Mamiya RB/RZ lens
ULM-645	for Mamiya 645Pro lens*

* ONLY WITH CANON BODIES

ULTIMA SPECIFICATIONS

Monorail Length:

30cm (12")	for digital setup
45cm (18")	for film setup

Tilts: 20°/20° front and rear

Swings: 30°/30° front and rear

Rise & Fall: 40mm front and rear

Lateral Shift: 50mm front and rear

Weight: 5kg (11 lbs.) includes frames

ALL SPECIFICATIONS ARE SUBJECT TO
CHANGE WITHOUT NOTICE

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accessories can be found at
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