



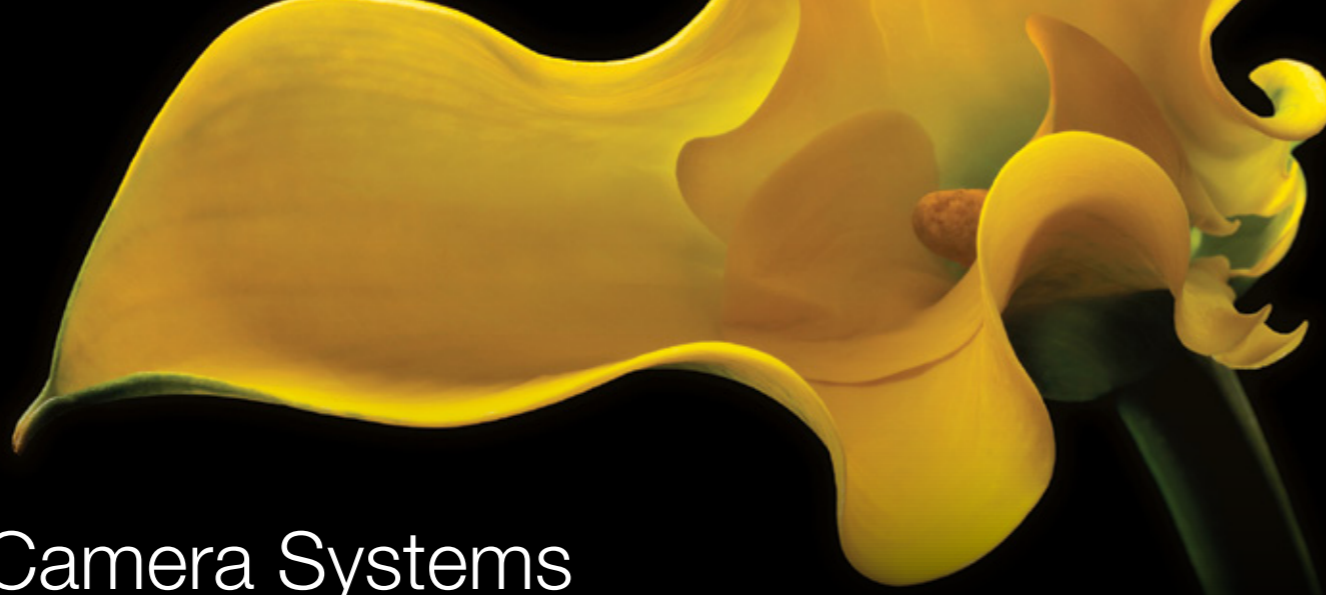
Mamiya leaf

Mamiya

645DF

Digital Camera Systems

Fully Integrated Digital Photography Solutions
for the Professional Photographer



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Mamiya Leaf Digital Camera Systems

The World's Most Desirable Digital Camera System

Mamiya 645DF and Mamiya Optics Leaf Aptus-II Digital Camera Backs Capture One Workflow Software

The unbeatable combination of the Mamiya 645DF camera with Leaf Aptus-II camera backs and Capture One workflow software represents the best of what digital photography has to offer. Extraordinary capture becomes natural through ease of use and direct control. Take advantage of the Mamiya digital focal plane lenses or Schneider Kreuznach designed leaf shutter lenses.

Mamiya Leaf medium-format digital camera systems are available in 22MP, 28MP, 33MP, 56MP and 80MP resolutions.

Mamiya 645DF Camera

With DSLR-like handling and speed, the Mamiya 645DF takes digital images which offer top quality results with the professional feel that only a medium format system can provide.

- Rapid and accurate auto-focus
- Super-fast focal plane shutter speeds of up to 1/4000 sec
- Leaf shutter lenses achieve unprecedented synch speeds of up to 1/1600 sec
- Seamless switching between vertical focal plane and lens shutters
- Sophisticated operation via easy-to-use, ergonomically placed dials and buttons
- Reliable, robust camera body construction
- Greater photographic creativity with leaf shutter lens compatibility
- Wide range of accessories available – including Vertical Grip

The Dalsa Sensor Advantage

The initial cooperation between Leaf and Dalsa stretches all the way back to 1997 with the introduction of the Leaf Volare line of digital backs. This strong collaboration between the two companies has enabled a level of cooperation that has produced the high caliber CDD sensors found in Leaf's market-leading digital backs.

Internal Rotating Sensor

The Leaf Aptus-IIR – available in both 56MP and 80MP – is the most versatile digital back ever made, allowing you to take your photography further by capturing the highest quality, single-shot images possible. On the Leaf Aptus-IIR you can change from landscape to portrait orientation with a simple turn of the Leaf Verto internal rotation dial.

The Leaf Aptus-II Family of Digital Backs

Where Science and Art Meet

The Leaf Aptus-II digital camera back is the culmination of decades of experience in the digital field from the company that brought the first commercial digital camera back to market. State of the art Dalsa CCD sensors, intuitive touch screen controls on a 6 x 7cm (3.5in.) display seamlessly function together to make the Leaf Aptus-II the professional's favorite medium-format digital back.

The Leaf Aptus-II series of camera backs offers you speed, image quality and maximum flexibility to push your work beyond your imagination.

Custom Built CCD Sensors - Unmatched Flexibility Enables Total Control

Leaf Aptus-II digital backs use ultra-low-noise CCD sensors with a high dynamic range to better capture what the human eye sees.

Designed and developed according to Leaf's specifications, the Leaf Aptus-II CCD sensors capture stunning images whose natural skin tones, subtle details, richness, low noise and accurate color reproduction are second to none.

Unsurpassed 12 f-stops of dynamic range, brilliant 16-bit color files of up to 480MB, an optional internal rotation and Leaf SensorFlex technology, make it the most flexible sensor in the world.

Leaf Aptus-II digital camera backs are compatible with over 80 large- and medium-format cameras (see www.mamiyaleaf.com for current listings).

The newest member of the Leaf Aptus-II family - the Leaf Aptus-II 12 - features an 80MP CCD sensor. Measuring in at 53.7 x 40.3mm, this full frame sensor records even the finest details and eliminates the need for cumbersome multi-shot solutions.

The Leaf GUI (Graphic User Interface)

The latest Leaf GUI provides an intuitive and user-friendly upgrade to previous versions.

Designed with the needs of professional photographers in mind, it improves workflow processes and provides quicker access to important features like favorite settings and picture review.

The Leaf GUI's outdoor theme also makes exterior shooting much easier by reducing glare and reflection.



Quick Navigation



Favorites



Outdoor theme

Specs

Leaf Aptus-II Digital Backs	12/12R*	10/10R*	8	7	6	5
CCD Size (mm)	53.7 x 40.3	56 x 36	44 x 33	48 x 36	44 x 33	48 x 36
Pixels	10,320 x 7,752	9,334 x 6,000	7,312 x 5,474	6,666 x 4,992	6,096 x 4,558	5,344 x 4,008
Resolution	80 MP	56 MP	40 MP	33 MP	28 MP	22 MP
Capture Rate sec/fr	1.5	1	0.8	1.1	1	0.9
File Size MOS	165 MB	115 MB	80 MB	67 MB	53 MB	42 MB
MOS Lossless Compression	107 MB	78 MB	56 MB	47 MB	31 MB	21 MB
TIFF 16-bit	480 MB	345 MB	240 MB	190 MB	159 MB	128 MB
8 bit RGB	240 MB	172 MB	120 MB	102 MB	80 MB	63 MB
ISO Sensitivity	50-800	80-800	80-800	50-800	50-800	25-400
Leaf SensorFlex	Yes	Yes	No	No	No	No
Color Depth	16 bits (65,536 levels per channel)					
Dynamic Range	12 f-stops					
Exposure time	1/10,000 – 32 seconds					
Color Mgt. Workflow	Range of 16 profiles including factory profiles, plus optional ability to create custom camera profiles					
Leaf RAW File Format	A standard, open RAW format compatible with many leading applications					
LCD Screen	6 x 7cm (3.5in.) Advanced, bright, high-contrast touch screen interface for indoor or outdoor work					
View Camera Compatible	Yes					
Dimensions	W 95 x H 82 x D 59mm					
Weight	600g (1.3lb)					

*R=Internal Rotating Sensor

Mamiya 645DF	
Mamiya 645DF Camera	Mamiya 645DF 6 x 4.5cm format AF single lens reflex
Image Size	56 x 41.5mm (actual image)
Field of View	Approx. 94% (percentage of total image viewed)
Focusing Screen	Interchangeable (choice of matte/checker/M645 lens use) Pre-installed with Type A
Exposure Modes	Aperture priority AE/shutter speed priority AE/programmed AE/manual/electronically controlled bulb and time
Auto Focusing System	TTL phase difference detection device
Shutter	Dual function: focal plane shutter or leaf shutter operation with Schneider Kreuznach designed LS lenses
Metering Mode	TTL full aperture metering (choice of center-weighted average/spot/A-S auto)
Self-Timer	Select from 0.5 seconds to 60 minutes
Flash Synchronization	X contact and TTL flash. Sync speeds of up to 1/125 seconds with focal plane shutter or up to 1/1600 seconds with Schneider Kreuznach designed LS lenses
Remote Control Terminal	Electronic cable release on camera body or universal screw-in cable release
Mirror-Up Shooting	Possible using drive dial mode
Tripod Socket	U1/4in. and U3/8in.
Power Requirements	6 AA size batteries (alkaline-magnesium/lithium/nickel-hydride/nickel-cadmium)
Dimensions	W 153 x H 128 x D 152mm
Weight	1.03kg (2.27lb) - body only



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Capture One



Capture Pilot & Leaf Capture Remote



Leaf Capture

Superior Workflow Software

Capture One

Completely compatible with Leaf Aptus-II digital camera backs, Capture One is a professional RAW converter and image editing software. It contains all the essential tools and high-end performance to enable you to capture, organize, edit, share and print images in a fast, flexible and efficient workflow. Capture One's powerful and intuitive toolset is used by professional photographers to achieve world-class image quality with excellent color and detail.

Capture Pilot & Leaf Capture Remote

The Leaf Capture Remote and Phase One Capture Pilot transform wireless devices, such as the iPad, iPhone or iPod Touch, into remote image viewers. While you are shooting tethered using Leaf Capture software, a client or creative director can quickly and conveniently view selected medium-resolution files of your images from any Wi-Fi network. With Capture Pilot you can also control your camera and trigger the shutter remotely.*

Leaf Capture

With input from leading photographers for ongoing improvements, Leaf has added the features required to quickly compose your images, while improving the overall package. The release of Leaf Capture 11.5 equips all Leaf Aptus-II digital backs with a new graphic user interface.

*depending on camera type used



Leaf provides the best feature set. The GUI and touch screen are quick and easy to use - large, clear and bright, perfect for my outdoor work. Unbelievable resolution with very smooth tonal gradations and breathtaking color – right out of the can!

Robb Williamson



Mamiya Digital Lenses

Designed to work seamlessly with Leaf digital backs and the Mamiya 645DF, our wide range of lenses are manufactured for ultimate image quality and freedom of choice. Their world class optical performance combined with unique lens enhancement features in Capture One guarantee perfect captures.

Leaf Shutter Lenses

Unprecedented high flash sync speeds of up to 1/1600s are opening up new creative windows for professional photographers. Available in a range of lengths, the Schneider Kreuznach designed leaf shutter lenses are manufactured with precision by Mamiya for ultimate image quality, performance and durability.

55 Mamiya Sekor AF 55mm F2.8 LS D

- A wide angle lens with an angle of view of 65°
- Sharpness maintained from the minimum focusing distance to infinity
- Flash sync speeds up to 1/1600 seconds

80 Mamiya Sekor AF 80mm F2.8 LS D

- Flash sync speeds up to 1/1600 seconds
- Designed by respected optics manufacturer, Schneider-Kreuznach
- Designed for low aberration and well-balanced images

110 Mamiya Sekor AF 110mm F2.8 LS D

- Medium telephoto lens with a 35° angle of view
- Indispensable for images with a shallow depth of field while using high flash synchronization and maximum aperture
- Particularly suited to portrait and landscape photography

75-150 Mamiya Sekor 75-150mm F4.0-F5.6 LS D

- A standard to medium telephoto zoom lens with an angle of view of 50 to 26° and a leaf shutter allowing for up to 1/1600s flash sync
- A comparatively short minimum focusing distance of 1 meter
- Can be used for a wide range of indoor and outdoor applications including portraits and snapshots

150 Mamiya Sekor AF 150mm F3.5 LS D

- Medium telephoto lens with a 26° angle of view
- Enables captures at a comfortable distance between photographer and subject
- Ideal focal length for portraits or scenery

240 Mamiya Sekor AF 240mm F4.5 LS D

- A medium to long telephoto lens with a 16.5° angle of view and a leaf shutter allowing for up to 1/1600s flash sync
- A comparatively short minimum focusing distance of 1.7m
- Can be used for a wide range of indoor and outdoor applications including landscape, wildlife, portraits and snapshots

Focal Plane Shutter Lenses

Mamiya focal plane shutter lenses are the result of cutting-edge design and innovation. Produced for precise, accurate performance Mamiya lenses capture images of uncompromised quality.

28 Mamiya Sekor AF 28mm F4.5 D Aspherical

- A full-frame, ultra wide lens that produces large image circle coverage
- Archives maximum sharpness, color accuracy and contrast
- Flexible enough for a wide range of applications

35 Mamiya Sekor AF 35mm F3.5 D

- Ultra-wide angle lens with a deep depth of field
- High contrast and resolution from infinity to minimum focusing distance
- Ideal for landscapes, group shots and documentary photography

45 Mamiya Sekor AF 45mm F2.8 D

- Ideal for architectural photography and other subjects dominated by sharp lines
- Chromatic aberration kept at a minimum via low-dispersion glass construction
- Image sharpness from center to periphery

55 Mamiya AF 55mm F2.8

- Fast aperture, shallow depth of field
- Wide viewing angle
- Easily balance daylight and flash

80 Mamiya Sekor AF 80mm F2.8 D

- The standard lens in the 645 format lens range
- Field of view approximating human vision
- Lightweight and compact

120 Mamiya Sekor 120mm F4.0 Macro D

- Ideal lens for beauty close ups, jewelry or nature when you want to get real close to the subject
- Precise manual focus
- Magnification factor of 1:1 but also performs well at 1:20

120 Mamiya Sekor Macro AF 120mm F4 D

- A Macro lens with very high sharpness at 1:1 (or even closer) to 1:20 magnification
- A focus limiter button offering precise control at short distances
- Ideally suited for beauty and jewellery close-ups

120 Schneider Kreuznach T/S 120mm F5.6 Aspherical

- A specialized lens ideal for table-top applications where perspective and focal-plane control are required
- 12mm of shift, 8° of tilt and 360° rotation allow for maximum flexibility
- APO glass for minimal aberrations

150 Mamiya Digital 150mm F2.8 IF D

- Shallow depth of field and close focusing suited to portrait photography
- Produces high contrast images from infinity to minimum focusing distance
- Well-balanced due to internal focusing and suited to hand-held photography

105-210 Mamiya Sekor Zoom AF ULD 105-210mm F4.5

- Has the reach to capture distant objects and the versatility to work up-close
- Offers small format handling and versatility with medium format quality
- Low dispersion glass elements provide excellent resolution of fine detail

210 Mamiya AF ULD 210mm F4 IF

- Suitable for a wide range of situations, especially portraits
- Natural focusing effect stops compression normally produced by telephoto lenses
- Super low-dispersion glass for good contrast even in close-ups

300 Mamiya AF APO 300mm F4.5 IF

- A long telephoto lens with a comparatively wide aperture of F4.5
- Suitable for a wide range of applications, especially nature and long-reach portraits
- APO glass for minimal aberrations



Mamiya Leaf System Accessories

Camera Accessories



Auto Bellows NC401 with Reverse Ring

This high-precision macro accessory enables continuous adjustment of magnification ratio for precision manual focusing.

The AF 80mm lens reverse ring allows reproduction at magnifications greater than 1:1 with minimal aberration over a range of 0.75 to 2.2 times (AF 80mm F2.8 lens).

The upper and lower rails can be used to shift horizontally and reproduce vertical images at the same magnification ratio.



Auto Extension Tubes

This set of macro extension rings can be used for a maximum magnification ratio of 1:1 (with AF 80mm F2.8 lens).



External Battery Case

Protects against battery power loss when shooting in extremely cold conditions.



Angle Finder

The 360° rotatable angle finder enables confirmation of image composition from a comfortable posture for low-angle, macro and other situations.



V-Grip Air

Attaching the Mamiya V-Grip to any Mamiya 645DF allows for wireless flash triggering at sync speeds of up to 1/1600 sec.

Designed for ergonomic shooting in portrait regardless of individual hand size, the positioning/functionality of buttons and dials on the V-Grip Air match those on the Mamiya 645DF camera body.

Camera battery power can be extended by installing a lithium ion battery or AA batteries.



Cable Release

For vibration-free operation, the magnetic cable releases connect to the camera's electronic shutter release.



L-Bracket with Handstrap

For quick horizontal/vertical tripod attachment, uses Arca-Swiss type quick release.



Magnifier

Enables precise focusing for macro and telephotography by magnifying the center of the viewfinder image to twice its normal size.

Digital Back Accessories



Adapter Plate for Mamiya RZ/RZ PRO/RZ PROII and RZ PROIId

Allows the use of Leaf Aptus backs in Mamiya, Hasselblad V, Hasselblad H and AFi/Hy6 mounts on any type of RZ body.

The Leaf back can be rotated just like a film back.

Comes with a lens-to-back sync cable, a camera control cable and a masked focusing screen.



Dual Charger for Leaf Aptus Battery

Allows for charging 2 batteries at a time and shows the charge level on an LCD display.



Graflok Plate

Allows the use of Leaf Aptus backs in Mamiya, Hasselblad V, Hasselblad H, Contax 645 and AFi/Hy6 mounts on any universal Graflok type view camera.



Adapter Plate for Mamiya RB

Allows the use of Leaf Aptus backs in Mamiya or Hasselblad V mounts on the Mamiya RB body.



Camera Control Cables

A range of control cables provides remote control and triggering for a variety of cameras: Rollei e-Shutter, Schneider e-Shutter, Mamiya RZ, Hasselblad 553 EL/ELX and Hasselblad 503 CW.



Firewire Adapters and Repeaters

A 3-way FW800 adapter and repeater for power supply optimization when shooting tethered.



About Mamiya Leaf

Leveraging 70 years of Mamiya camera and optics expertise with the digital imaging technology of Leaf - the company that introduced the world's first commercial digital camera back - Mamiya Leaf represents the finest in high end photographic solutions, and is dedicated to improving the quality of its products, technologies and services to support the advancement of professional digital photography.

For more information visit www.mamiyaleaf.com



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