

Mamiya leaf



Digital Camera Systems

Integrated Digital Solutions for Photographers

Credo 80

Mamiya Leaf Digital Camera Systems

Quality Images Require Image Quality

Mamiya 645DF+ Camera

With small format handling and speed, the Mamiya 645DF+ captures top-quality images that offer the professional feel that only a medium format system can provide.

- Rapid and accurate auto-focus
- Dual focal plane and leaf shutter system with seamless switching and speeds of up to 1/4000 sec
- Sophisticated operation via easy-to-use, ergonomically placed dials and buttons
- Reliable, robust camera body construction
- Wide range of accessories including optional V-Grip ^{Air} for comfortable vertical handholding with a built-in Profoto Air transmitter



Mamiya Leaf Digital Camera Systems

The World's Most Desirable Digital Camera System

Mamiya 645DF⁺, Leaf Credo digital camera backs,
Schneider-Kreuznach, Mamiya optics and Capture
One workflow software

The unbeatable combination of Mamiya 645DF⁺ camera, Leaf Credo 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 Schneider-Kreuznach leaf shutter lenses or the Mamiya digital focal plane lenses.



The Leaf Credo Family of Digital Backs

Where Art meets Science

The Leaf Credo digital camera back is the latest and the most advanced digital back on the market. It is the result of 20 years of experience in the digital business from the company that brought the first medium format digital camera back to the market. State of the art DALSA and SONY sensors, intuitive controls on a 3.2" high resolution touch screen, seamlessly function together to make the Leaf Credo the professional's favorite medium format digital back.

The Leaf Credo series of camera backs offers you image quality, speed and maximum versatility to push your work beyond your imagination.

Custom Built CMOS and CCD Sensors – Unmatched Flexibility Enables Total Control

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

Designed and developed according to Mamiya Leaf's specifications, the Leaf Credo backs are offered with 80, 60 or 40 megapixel CCD, or 50 megapixels CMOS sensors and they can capture stunning images with natural, rich skin tones, subtle details, low noise and accurate color reproduction that are second to none.

Up to 14 f-stops of dynamic range and brilliant 14/16-bit color files of up to 480 MB, make it the most flexible capture device in the world.

Touch screen and new GUI

Utilizing the latest display technology, the high resolution, bright, touch screen offers an intuitive and user-friendly workflow in a responsive, sophisticated yet easy-to-use package.



Versatility

The Leaf Credo digital camera backs are compatible with over 80 large and medium format cameras (see www.mamiyaleaf.com for a full list).

Features like excellent weather sealing, an enclosed battery and a large, bright screen transform the Leaf Credo into the perfect outdoor shooting device.

On-screen Live View and spirit level display (roll+pitch) are indispensable tools for perfect composition and focusing.

A choice of FireWire 800 or USB 3 / USB 2 connection to a Mac or a PC with fast capture rate and Capture One workflow create excellent conditions for studio work.



Next Generation Display

- **1.15 MP, 3.2" touch screen** with up to 16 million colors, verify color accuracy and focus
- **Intuitive graphical user interface (GUI)** smart navigation, easy browsing
- **Touch screen extended beyond LCD** keep your screen clean of fingerprints
- **170° viewing angle**

Tools for Portable Shooting

- **Live View on LCD** compose and focus on the go with a technical / view camera
- **Check critical focus while un-tethered**
- **Fast, dual core microprocessor** enables use of the latest CF technology for fastest capture, image viewing, zooming and editing
- **Weather-sealed construction** enables you shoot in tougher, more demanding conditions
- **Fast startup time**
- **Stopwatch on LCD for long exposures**

Studio Shooting Features

- **FireWire 800 and USB 3 connectivity** for unlimited bursts
- **Internal battery charger** lets you move from tethered to portable shooting with a battery that is ready to go at a moment's notice
- **Built-in bi-directional spirit level**
- **Star rating** to save you time when processing files after a shoot



Capture One



Capture Pilot and Camera Control

Superior Workflow

Capture One

Capture One is a professional RAW converter and image editing software. It contains all the essential tools and high-end performance in one package 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 and Camera Control

The Phase One Capture Pilot transforms wireless devices, such as the iPad, iPhone or iPod Touch, into remote image viewers. While you are shooting tethered using Capture One software, a client or creative director can quickly and conveniently, view your images and rate them from any Wi-Fi network. With Capture Pilot's Camera Control feature you can also control your camera and trigger the shutter remotely (depending on camera type used).







Schneider-Kreuznach and Mamiya Optics

Designed to work seamlessly with the Mamiya 645DF⁺ and Leaf digital backs, 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 guarantees perfect photographs.



Schneider-Kreuznach Leaf Shutter Lenses

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

28 Schneider-Kreuznach 28 mm LS f/4.5 AF

- 102° angle of view
- Minimum focusing distance 35 cm
- Edge to edge sharpness

55 Schneider-Kreuznach 55 mm LS f/2.8 AF

- 65° angle of view
- Sharpness maintained from minimum focusing distance to infinity
- Flash sync speeds of up to 1/1600s

80 Schneider-Kreuznach 80 mm LS f/2.8 AF

- All purpose Schneider-Kreuznach lens
- Flash sync speeds of up to 1/1600s
- Designed for low aberration and well-balanced images

110 Schneider-Kreuznach 110 mm LS f/2.8 AF

- 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

150 Schneider-Kreuznach 150 mm LS f/3.5 AF

- 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 Schneider-Kreuznach LS 240mm f/4.5 AF

- A medium to long telephoto lens with a 16.5° angle of view and a leaf shutter allowing for up to 1/1000s flash sync
- A comparatively short minimum focusing distance of 1.7 m (5.5 ft)
- Large aperture provides a shallow depth of field desired by wildlife and portrait photographers alike

75-150 Schneider-Kreuznach LS 75-150mm f/4.0-5.6

- Well balanced for handheld photography due to internal focusing and a leaf shutter
- A versatile zoom lens for location, fashion and portrait work

40-80 Schneider-Kreuznach LS 40-80mm f/4.5-5.6

- The perfect companion for the location photographer requiring versatility and optimum image quality
- Delivers outstanding performance throughout its focal length range





Mamiya 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 uncompromising quality.

28 Mamiya Sekor AF 28 mm f/4.5 D Aspherical

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

35 Mamiya Sekor AF 35 mm f/3.5 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 45 mm f/2.8 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

80 Mamiya Sekor AF 80 mm f/2.8 D

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

120 Mamiya Sekor 120 mm f/4.0 Macro

- 1:1 magnification
- Precise manual focus
- Film or digital, Performs well at up to 1:20 magnification

120 Mamiya Sekor 120 mm f/4.0 Macro AF

- Ideal lens for beauty close-ups, jewelry or nature when you want to get real close to the subject
- A focus limiter button offering precise control at short distances
- Very high sharpness at 1:1 (or even closer) to 1:20 magnification

120 Schneider-Kreuznach T/S 120 mm f/5.6 Aspherical

- A specialized lens for studio work where tilt & shift are employed for controlling perspective and depth of field
- Features 12 mm shift, 8° tilt and 360° rotation on two axes for maximum flexibility
- APO glass for minimal aberrations

150 Mamiya Digital 150 mm f/2.8 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 handheld photography

210 Mamiya AF ULD 210 mm f/4.0 IF

- Suitable for a wide range of situations, especially portraits
- Telephoto lens with a 19° angle of view
- Super low-dispersion glass for good contrast even in close-ups

55-110 Mamiya Sekor AF ULD 55-110 f/4.5

- Suited to a wide range of subjects including travel, wildlife, fashion and landscape
- Performs well over wide, normal and portrait focal length
- Internal focusing eliminates the risk of vignetting when combined with front element filters

75-150 Mamiya Sekor AF 75-150 mm f/4.5 D

- A standard to medium telephoto zoom lens with an angle of view of 50 to 26°
- A comparatively short minimum focusing distance of 1 meter (3.2 ft)
- Can be used for a wide range of applications including portraits and snapshots

105-210 Mamiya Sekor Zoom AF ULD 105-210 mm f/4.5

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



Mamiya Leaf System Accessories

Camera Accessories



V-Grip Air

With a built-in Profoto Air transmitter and an ergonomic design, the V-Grip allows comfortable handheld shooting and flash sync speed of up to 1/1600s.



Cable Release

For vibration-free operation, the electronic cable release connects securely to the camera body.



L-Bracket with Handstrap

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



Auto Extension Rings

This set of macro extension rings can be used for maximum magnification ratio of 1:1 (with 80 mm f/2.8 lens).



Li-Ion Camera Battery

The Li-Ion battery enables you to shoot up to 10,000 shots on a single charge.



Angle Finder

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

Specifications

| Leaf Credo | 80 | 60 | 50 | 40 |
|--|--|--|--|--|
| Resolution | 10328 x 7760 (80 MP) | 8984 x 6732 (60 MP) | 8280 x 6208 (50 MP) | 7320 x 5484 (40 MP) |
| Frame size (crop factor) | 53.7 x 40.3 mm (1:1) | 53.9 x 40.4 mm (1:1) | 44 mm x 33 mm (1:1.3) | 43.9 x 32.9 mm (1:1.3) |
| Aspect ratio | 4:3 | | | |
| Pixel size | 5.2 micron | 6.0 micron | 5.3 micron | 6.0 micron |
| Dynamic range | 12.5 f-stops | 12.5 f-stops | 14 f-stops | 12.5 f-stops |
| Color depth | 16-bit (65,536 levels per channel) | 16-bit (65,536 levels per channel) | 14-bit (16,384 levels per channel) | 16-bit (65,536 levels per channel) |
| ISO sensitivity | 35 – 800 | 50 – 800 | 100-6400 | 50 – 800 |
| Exposure time | 1/10,000-120 sec | 1/10,000-60 sec | 1/10,000- 1 Hour | 1/10,000-60 sec |
| Full resolution capture rate (frames per second) | 0.7 | 1.0 | 1.2 | 1.2 |
| Display | 3.2", 1.15 MP bright touch LCD with 170° viewing angle | | | |
| On-board tools | Live View on LCD, spirit level, ISO, WB, histogram, exposure alarms, image rating, 645DF+ custom functions | | | |
| Storage and connectivity | CompactFlash inc. UDMA 6 & 7, FireWire 800, USB 3.0 and USB 2.0 | | | |
| Software | Capture One 6.4 (Mac OS and Windows) | | | |
| Cameras supported | Mamiya 645DF+ / 645DF / Phase One 645DF+645 / DF / Phase One iXR, Leaf AFi/ RolleiFlex Hy6, Mamiya RZ (all types), Mamiya RB, Contax 645, Hasselblad V and H, Most 6 x 9 and 4 x 5" cameras via Leaf Graflok or 3rd party adapters, Fuji 680 and Bronica ETRSi / SQAi via 3rd party adapters | | | |
| RAW file compression (large / small) | 80 MB / 50 MB | 60 MB / 40 MB | 50MB/ 33MB | 40 MB / 26 MB |
| TIFF file size (16-bit 300 dpi) | 480 MB | 360 MB | 300MB | 240 MB |
| Battery | 3400 mAh rechargeable Li-ion | | | |

| Mamiya 645DF+ | |
|-------------------------|---|
| Camera type | Mamiya 645DF+ 6 x 4.5 cm format AF single lens reflex |
| Image size | 56 x 41.5 mm (actual image) |
| Viewfinder coverage | Approximately 94% |
| Focusing screen | Interchangeable (choice of matte /checker / Sensor crop) |
| Exposure modes | Aperture priority AE / shutter speed priority AE / programmed AE / manual / Bulb and Time |
| Auto focusing system | TTL phase difference detection device |
| Shutter | Dual function: focal plane shutter or leaf shutter operation with Schneider-Kreuznach LS lenses |
| Metering mode | TTL full aperture metering (choice of center-weighted average / spot / A-S auto) |
| Self-timer | 0.5 seconds to 60 minutes |
| Flash synchronization | Sync speeds of up to 1/125 seconds with focal plane shutter or up to 1/1600 seconds with Schneider-Kreuznach LS lenses. X-sync socket |
| 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 | 1/4" and 3/8" |
| Power requirements | Rechargeable Li-Ion battery / AA size batteries (alkaline-magnesium / lithium / nickel-hydrate / nickel-cadmium) |
| Dimensions | 153 x 128 x 152 mm (W x H x D) |
| Weight | 1.03 g (body only) |



About Mamiya Leaf

Leveraging over 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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