



Mamiya





Now and Future

The Mamiya ZD Back brings out the best of all the advanced functions of the Mamiya 645AFD and RZ67 Pro IID, both of which have been continuing evolving. The Mamiya ZD Back shares the same 48×36mm sensor of the Mamiya ZD, and interactively communicates with Mamiya 645AFD & Mamiya RZ67 Pro-IID cameras by MSCE (Mamiya Serial Communication for External). With the new Mamiya ZD back, these camera bodies evolve into complete imaging solutions that can switch seamlessly between the analog and digital worlds.

Mamiya ZD Back



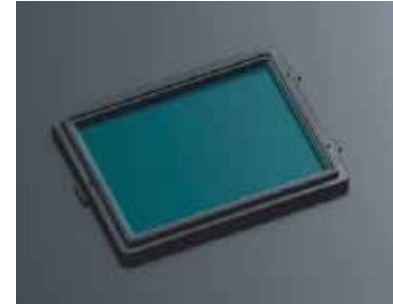
Full-support for MSCE Mamiya Digital Back Adapter

The adapter which interfaces between the Mamiya ZD Back and RZ67 Pro-IID, supports MSCE (Mamiya Serial Communication for External) and permits full interactive communications between the camera body and the digital back.



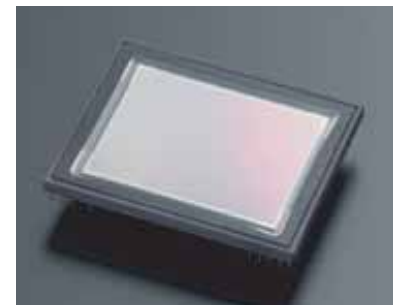
Versatile & Simple Mamiya Digital PhotoStudio

From image capture & editing, to processing, Mamiya PhotoStudio provides a simple, yet powerful interface. When connected to a computer by an IEEE1394(4pin) cable, many of the functions of the Mamiya ZD can be operated from computer. This functionality is maintained when using the Mamiya ZD Back with a 645AFD camera. Aperture, shutter speed, and exposing the image can all be accomplished from either the computer keyboards or the camera itself.



Optionally Detachable Low-pass Filter

You can shoot with or without the low-pass filter depending on shooting conditions. The Mamiya ZD accepts an innovative cartridge type low-pass filter, which makes it a snap to exchange the filters. (Above: Low-pass filter for the Mamiya ZD Back)



In No Way Inferior to Medium Format Film 22 Mega-pixel CCD

The 36×48mm Dalsa imaging sensor, contains 22 million active pixels (Total 4056H×5356V). Both the Mamiya ZD and Mamiya ZD Back generate stunning high resolution images with both rich and smooth tonal ranges.

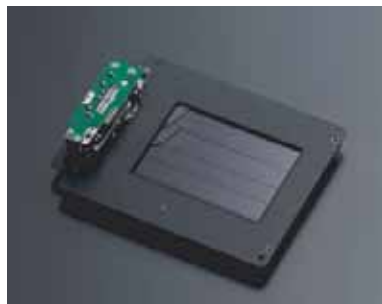
The 14 bit A/D (Analog to Digital) conversion records color information as 12-bit per color channel.





Optimizes Data Transfer from CCD ASIC[Application Specific Integrated Circuit]

This technology has been developed exclusively for the Mamiya ZD and Mamiya ZD Back. It processes in real-time, optimization of image data from CCD.



Responds to Every Situation High Speed 1/4000 sec. Shutter

The metal focal plane shutter travels vertically to provide a top shutter speed of 1/4000 of a second. It allows strobe synchronization at a 1/125 sec. and has significant advantages for daylight synchronization.



Tether-less Operation Double Memory Card Slots

With the built-in card slots for two different media cards, the Mamiya ZD and Mamiya ZD Back can store approximately 100 images (in the RAW format, when a 4GB CF card is used). This allows the system to be used tethered or completely portably.



Robust and Lightweight Magnesium Alloy Top Cover

The top cover of the Mamiya ZD is made of magnesium alloy that securely protects the prism and digital circuitry contributing to the overall durability and reliability of the camera. The use of magnesium also allows the systems to be extremely compact and lightweight.



New Generation

The Mamiya ZD is the latest evolution of professional medium format camera. Inheriting the high quality heritage that has made Mamiya the leader in professional imaging, the 22 million-pixel Mamiya ZD comes with a 48×36 mm CCD that achieves outstanding image quality to rival its earlier film counterparts. Outstanding maneuverability and ease of use are achieved through a new ergonomic body designed around the photographer's needs. The Mamiya ZD, having both high image quality and high functionality, is a digital camera for the new generation.



Mamiya ZD



Digital Device Specifications (Mamiya ZD / Mamiya ZD Back)

Model		Mamiya ZD	Mamiya ZD Back
Type of camera		Lens-Interchangeable Digital SLR AF Camera	Digital Back for Mamiya 645AFD & RZ67ProIID
Number of Card Slots		2	
Image Size		48.1×36.1 •	
Image Sensor		48×36 • Full Frame RGB Square-structured CCD	
Total Pixels		Approx. 21.80 Million Pixels	
Active Pixels		Approx. 21.50 Million Pixels	
IR Cut Filter		Built-in	
Low-pass Filter		Optional (User Replaceable)	
Shooting Intervals	Continuous	1.5 Frames Per Second	1.2 Frames Per Second
	Max Shots / Burst	11 shots	11shots
Recording Format		Uncompressed : RAW Compressed : JPEG (Exif 2.2)	
Simultaneous Recording		Possible (RAW & JPEG)	
Image Size Modes (JPEG)		Large, Medium, Small	
Image Quality Modes (JPEG)		Fine, Normal, Basic	
Color Matrix		Adobe RGB, sRGB	
White Balance		Auto / Daylight / Overcast / Shade / Fluorescent light / Tungsten Preset 1 / Preset 2 / Fine Adjustment / Color Temperature Setting	
Sensitivity		ISO 50 ~ 400 (1/3 Steps)	
LCD Monitor		Low Temp. Polysilicon TFT Color 1.8in. (Approx. 13M Pixels) Brightness Adjustable	
Video output		NTSC, PAL	
Interface		IEEE1394 (4-pin)	
Power Source		Rechargeable Lithium Ion Battery & AC	Rechargeable Lithium Ion Battery & AC
Dimension (•)		161.5 • (W) × 152 • (H) × 90.8 • (D)	106 • (W) × 90 • (H) × 62 • (D)
Dimension (Inches)		Approx. 6.4'' (W) × 6.0'' (H) × 3.6'' (D)	Approx. 4.2'' (W) × 3.5'' (H) × 2.4'' (D)
Weight (Grams)		1,200g	450g
Weight (LBS/Ounces)		Approx. 42.3oz.	Approx. 15.9oz.

Camera Body Specifications (Mamiya ZD)

Finder	Eye-Level Prism Viewfinder (fixed) Magnification: ×0.75 Field of View: 98%
Auto Focus	TTL Phase Difference Detection
Exposure Control Modes	Aperture-priority AE (Av), Shutter-Speed Priority AE (Tv), Programmed AE (P), Manual (M), Bulb (B)
Light Metering	TTL Metering: Average, Center-weighted, Variable Ratio, Spot
Auto-Bracketing	Number of Shots : 2, 3, or 5 Frames (Single & Continuous) F Steps : ±0.3, ±0.5, ±0.7, ±1
Shutter	Electronically-Controlled Vertical-travel Metal Focal-plane Shutter 1/4000 to 30 sec, X-sync at 1/125 sec, Bulb
Lens Mount	Mamiya 645AF

* Specifications and features are subject to change without notice.

Mamiya ZD Back