

For Mamiya and Bronica medium format cameras and accessories go to : www.ianbfoto.com

mamiya

DM SYSTEMS

www.ianbfoto.com



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Mamiya 645DF

Crafted for top-class digital medium format photography

Mamiya DM Systems are digital solutions for photographers who take their art seriously and passionately. They have been manufactured to cater for photographers who want to take digital images with a professional feel that only a medium format system can provide. The heart of each Mamiya System is a 645DF camera body. It boasts 35mm handling and speed, fully customizable settings and top quality photographic results.

- Rapid and accurate auto-focus speeds
- Super-fast focal plane shutter speeds of up to 1/4,000 sec
- Seamlessly switching between vertical focal plane and lens shutters
- Sophisticated operation via easy-to-use, ergonomically placed dials and buttons
- Durable and reliable camera body construction
- Greater photographic creativity with leaf shutter lens compatibility
- A wide range of accessories, including Vertical Grip



CAMERA TYPE 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 (*l+l shaped CCD line sensor*)

SHUTTER

Dual function: focal plane shutter or leaf shutter operation with Mamiya LS lenses

METERING MODE

TTL full aperture metering (*choice of center-weighted average/ spot/ A-S auto*)

SELF-TIMER Selectable from 0.5 sec. to 60 mins

FLASH SYNCHRONIZATION

X contact and TTL flash. Sync. speeds of up to 1/125 sec. with focal plane shutter or up to 1/1,600 sec. with Mamiya leaf shutter lenses

REMOTE CONTROL TERMINAL Electronic cable release on camera body

MIRROR-UP SHOOTING Possible using drive dial mode

TRIPOD SOCKET U 1/4 inch and U 3/8 inch

POWER REQUIREMENTS

6 AA size batteries (*alkaline-magnesium/ lithium/ nickel-hydrate/nickel-cadmium*)

DIMENSIONS (WXHxD) 153 x 128 x 152mm

WEIGHT 1,030g (*body only*)

Mamiya DM Digital Backs

Superior image quality and detail

Mamiya DM System Digital Backs have been manufactured using the latest in digital technology. Incorporating large sensors capable of high resolution, images are shot in 16 bit RAW files with exceptional color accuracy and exquisite detail.

- High pixel counts for outstanding detail
- 16 bit per channel color
- Rapid capture rate for continuous shooting
- User-friendly and logical controls
- Capture One software compatibility for post-capture adjustments



Mamiya DM System Digital Backs

Digital back	DM33	DM28	DM22
CCD size (mm)	48x36	44x33	48x36
Number of pixels	6726x5040	6144x4622	5356x4056
Resolution	33MP	28MP	22MP
Capture rate (sec/frame)	1.1	1	0.9
File size (MOS)	67MB	53MB	42MB
MOS lossless compression	47MB	31MB	21MB
TIFF 16 bit	190MB	159MB	128MB
8 bit RGB	102MB	80MB	63MB
8 bit CMYK	136MB	106MB	84MB
ISO sensitivity	50-800	50-800	25-400

LCD screen (touchscreen with stylus)

Size	6x7cm
Image viewing	1:1 with up to 20 images on LCD screen
Viewing tools	Histogram/ spot meter (f-stop)/ average exposure meter/ exposure alarms
Languages	English/ German/ French/ Spanish/ Italian/ Japanese/ Chinese

Properties

Operation conditions	Temperature 0-40°C/ Humidity 15%-80% RH (non-condensing)
Portable power supply	1x lithium ion battery 2350Ah power
Image storage	CF card (portable mode) FireWire 800 (tethered mode)
Optional camera interfaces	Mamiya RZ67 Pro/ Mamiya RZ67 Pro II/ Mamiya RZ67 Pro IID/ Mamiya RB
Dimensions (WxHxD)	95x82x59mm
Weight	600g

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"I've always been impressed by the quality of Mamiya's cameras, but the new system along with the leaf shutter lenses has really blown me away. The crystal sharpness, dynamic range and colours leave me astounded every time".

CATHERINE DAY

© Catherine Day

Mamiya's Extensive Lens Range

Leaf Shutter Lenses for Unlimited Creativity

Leaf shutter lenses for fast flash sync and low aberration, designed by Schneider-Kreuznach.

55

MAMIYA SEKOR AF 55MM F2.8 LS D

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

80

MAMIYA SEKOR AF 80MM F2.8 LS D

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

110

MAMIYA SEKOR AF 110MM F2.8 LS D

- A medium telephoto lens with an angle of view of 35 degrees
- 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

MAMIYA SEKOR AF 150MM F3.5 LS D

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



Lenses	Sekor AF 55mm F2.8 LS D	Sekor AF 80mm F2.8 LS D	Sekor AF 110mm F2.8 LS D	Sekor AF 150mm F3.5 LS D
Optical construction	7 elements 6 groups	6 elements 5 groups	6 elements 5 groups	5 elements 5 groups
Angle of view	65°	47°	35°	26°
Minimum aperture	22	22	22	32
Minimum focusing distance (from CCD)	45cm	70cm	90cm	150cm
Maximum magnification ratio	0.18	0.15	0.16	0.12
Area covered (6x4.5cm)	306x227mm	377x279mm	352x261mm	461x341mm
Equivalent focal length for 35mm	34mm	50mm	68mm	93mm
Filter diameter	72mm	72mm	72mm	72mm
Dimensions (length x diameter)	77.6x86.5mm	67.6x86.5mm	83.3x86.5mm	87.1x86.5mm
Weight	630g	500g	635g	645g
Lens shutter speed*	1,600 to 32sec	1,600 to 32sec	1,600 to 32sec	1,600 to 32sec
Flash synchronization	All speeds	All speeds	All speeds	All speeds
Equivalent focal length to 645 format (44x33mm CCD)	70mm	101mm	140mm	190mm
Equivalent focal length to 645 format (48x36mm CCD)	64mm	93mm	128mm	174mm

*Dependant on digital back in use

Mamiya's Extensive Lens Range

A Type for all Genres

28

MAMIYA SEKOR AF 28MM F4.5 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 photographic 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

80

MAMIYA SEKOR AF 80MM F2.8 D

- The standard lens in the 645 format lens range
- A field of view approximating human sight
- Performs well in a wide range of applications from close-ups to distant subjects

120

SCHNEIDER-KREUZNACH 120MM F5.6 T/S ASPHERICAL

- 360 degree rotation of tilt and shift, and tripod mount on barrel
- Superior optical construction with aspherical elements
- Ideal for still life, product or food photography

150

MAMIYA SEKOR AF 150MM F2.8 IF D

- A 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

210

MAMIYA AF ULD 210MM F4 IF

- Suitable for in 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

- Produces images of superb color correction and spherical aberration
- Lens design enables clear, high-contrast images from center to periphery
- Excellent resolution, sharp colors and tonal fidelity



© Frank Doorhof



Lenses	Sekor AF 28mm F4.5 D Aspherical	AF 35mm F3.5 D	Sekor AF 45mm F2.8 D	AF 55mm F2.8	Sekor AF 80mm F2.8 D	Sekor Macro AF 120mm F4 D	Sekor AF 150mm F2.8 IF D
Optical construction	14 elements 10 groups	9 elements 7 groups	9 elements 7 groups	7 elements 6 groups	6 elements 5 groups	9 elements 8 groups	8 elements 7 groups
Angle of view	102°	90°	76°	65°	47°	32°	26°
Minimum aperture	32	22	22	22	22	32	22
Minimum focusing distance (from CCD)	35cm	35cm	45cm	45cm	70cm	37cm	100cm
Maximum magnification ratio	0.15	0.16	0.14	0.18	0.15	1.00	0.19
Area covered (6x4.5cm)	372x276mm	359x266mm	393x291mm	306x227mm	377x279mm	56x42mm	295x218mm
Equivalent focal length for 35mm	17mm	22mm	28mm	34mm	50mm	74mm	93mm
Filter diameter	Gelatine filter frame	77mm	67mm	58mm	67mm	67mm	72mm
Dimensions (length x diameter)	136x90mm	61.2x84.3mm	73.5x80.5mm	65.5x77mm	51.5x80.5mm	111x83mm	120x85mm
Weight	885g	460g	530g	445g	330g	845g	780g
Equivalent focal length to 645 format (44x33mm CCD)	35mm	44mm	57mm	70mm	101mm	152mm	190mm
Equivalent focal length to 645 format (48x36mm CCD)	33mm	41mm	52mm	64mm	93mm	139mm	174mm



Lenses	AF 150mm F3.5	AF ULD 210mm F4 IF	AF APO 300mm F4.5 IF	Zoom AF 55-110mm F4.5	Sekor Zoom AF 75-150mm F4.5 D	Zoom AF ULD 105-210mm F4.5
Optical construction	5 elements 5 groups	7 elements 5 groups	8 elements 8 groups	11 elements 10 groups	11 elements 10 groups	13 elements 11 groups
Angle of view	26°	19°	13°	65° - 35°	50° to 26°	36° - 19°
Minimum aperture	32	32	32	32	32	32
Minimum focusing distance (from CCD)	150cm	200cm	300cm	150cm	100cm	150cm
Maximum magnification ratio	0.12	0.13	0.11	0.04-0.08	0.09 to 0.16	0.09-0.18
Area covered (6x4.5cm)	461x341mm	448x332mm	500x371mm	55mm: 1392x1031mm 110mm: 742x550mm	75mm: 636x472mm 150mm: 341x253mm	105mm: 595x441mm 210mm: 313x232mm
Equivalent focal length for 35mm	93mm	130mm	186mm	34-68mm	47 to 93mm	65-130mm
Filter diameter	58mm	58mm	77mm	67mm	77mm	58mm
Dimensions (length x diameter)	80.5x79mm	141x86mm	213x99mm	110x86.5mm	145x86mm	158x82mm
Weight	540g	750g	1430g	870g	1,140g	990g
Equivalent focal length to 645 format (44x33mm CCD)	190mm	266mm	380mm	70 to 139mm	95 to 190mm	133 to 266mm
Equivalent focal length to 645 format (48x36mm)	174mm	244mm	349mm	64-128mm	87 to 174mm	122-244mm

Mamiya's Extensive Lens Range

Macro and Zoom Lenses

120

MAMIYA SEKOR MACRO AF 120MM F4 D

- Versatile enough from extreme close-ups to full-length portraits
- Pinpoint sharpness from infinity to 1:1 magnification
- Permits a good working distance between photographer and subject whether in studio or on location

55-110

MAMIYA ZOOM AF 55-110MM F4.5

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

75-150

MAMIYA SEKOR ZOOM AF 75-150MM F4.5 D

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

105-210

MAMIYA ZOOM AF ULD 105-210MM F4.5 ULD

- A zoom lens offering 35mm format handling and flexibility with medium format quality
- Has the reach to capture distant subjects and the versatility to work close up
- Low dispersion glass lens elements provide excellent resolution of fine detail



©Markus Klinko and Indrani Photography

"I've been using Mamiya as the exclusive platform for all of our work for many years. I tried other systems, only to return faithfully to the one brand that delivers the best medium format camera on the planet: Mamiya."

MARKUS KLINKO

Mamiya DM System Accessories



V-GRIP AIR GB401

- Shoot comfortably in portrait
- Trigger flashes wirelessly at sync speeds of up to 1/1600 sec.
- DM system camera buttons and dials mirrored on the Grip for maximum functionality
- L-Bracket available for fixed tripod shooting



DUAL CHARGER FOR MAMIYA DM BATTERY

For dual battery charging



AUTO BELLOWS NC401 WITH REVERSE RING

A high-precision accessory for manual focusing in macro photography



ADAPTER FOR RB67

Attach your DM back to an RB67 body



HX705/HX701 FOR RZ67/ PRO/PROII AND PROIID

Attach your DM back to an RZ67 body



AUTO EXTENSION TUBES NA401, NA402, NA403

Macro extension rings for extra magnification



EXTERNAL BATTERY CASE PE401

Protection against battery power loss in cold conditions.



MAGNIFIER FD402

Precise focusing for macro and telephotography



CABLE RELEASE RE401 (1M) CABLE RELEASE RE402 (5M)

For vibration-free shutter operation



ANGLE FINDER FA401

360° rotatable angle finder for low angle and image composition

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Capture One Software

Capture Your Creativity and Deliver Superior Image Quality

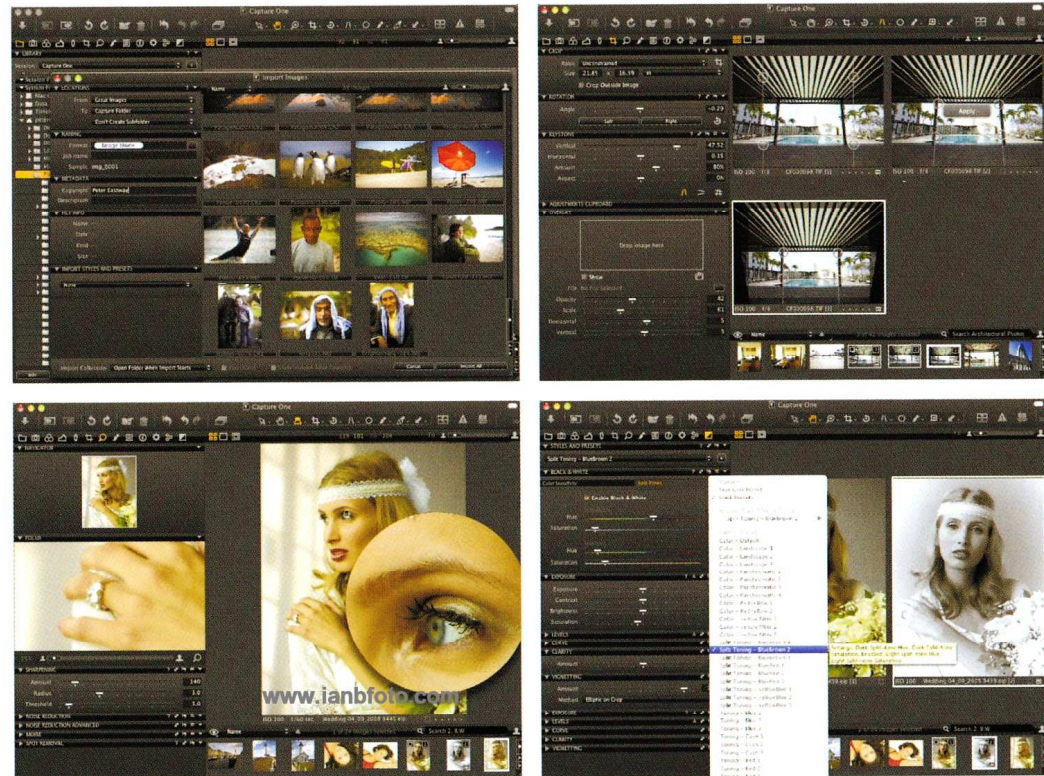
Capture One is one of the world's best professional RAW converter and image editing software. It contains all the essential tools and high-end performance in one package to enable you to capture, organize, edit, share and print your Mamiya DM images in a fast, flexible and efficient workflow.

Capture One 6's powerful and intuitive toolset is used by professional photographers to achieve world-class image quality with excellent color and detail.

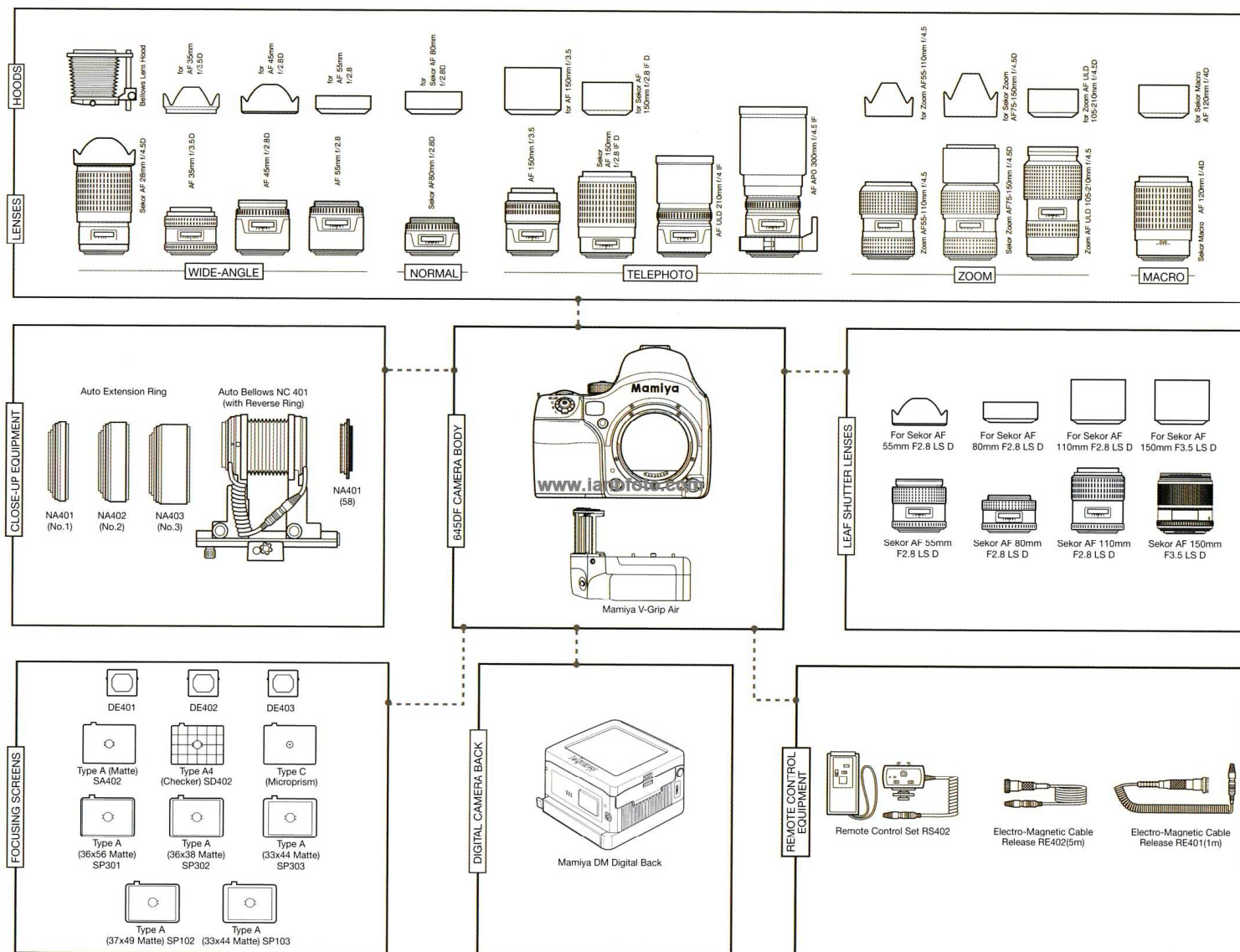
Capture One 6/6 PRO/6 DB has tethered camera support and RAW file support for all Mamiya DM camera systems.

New features in Capture One

- Capture Pilot for iPhone and iPad™ for wireless image previews
- Integrated movie viewing, import and handling
- Keystone correction for amending perspective distortion
- Black and white tool with fine color channel adjustment
- Loupe tool for zooming in up to 400%



Mamiya DM System System Map



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