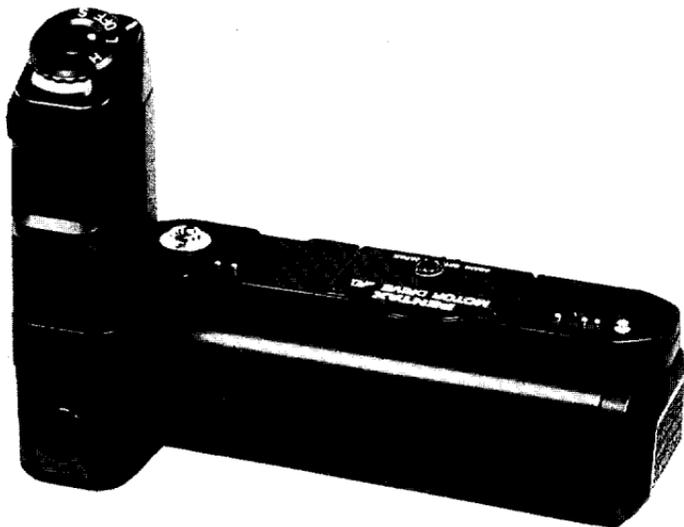


PENTAX®

DRIVE SYSTEM



Welcome to the World of Action Photography.

The Motor Drive A is an extremely versatile accessory designed exclusively for the Pentax Super A, Super Program, Program A or Program Plus.

The approx. 3.5 frame-per-second Motor Drive A is a part of a well planned system of accessories developed to enhance the performance of Pentax SLRs. The detachable Battery Pack A provides power to the Motor Drive A.

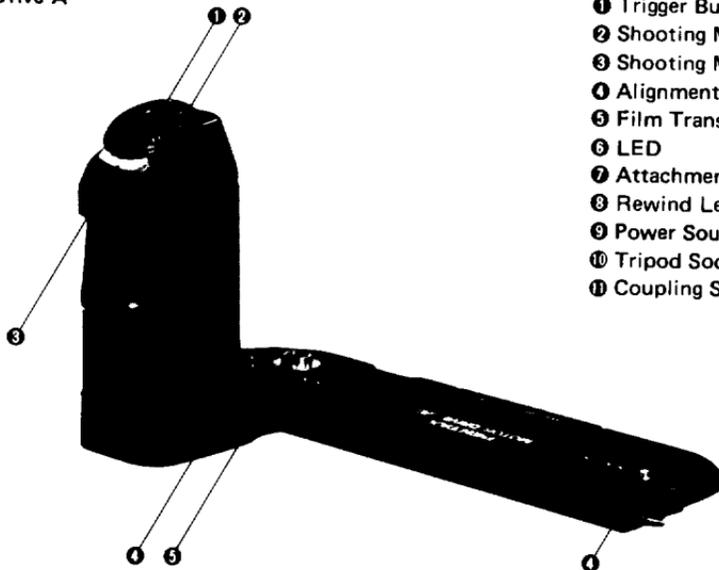


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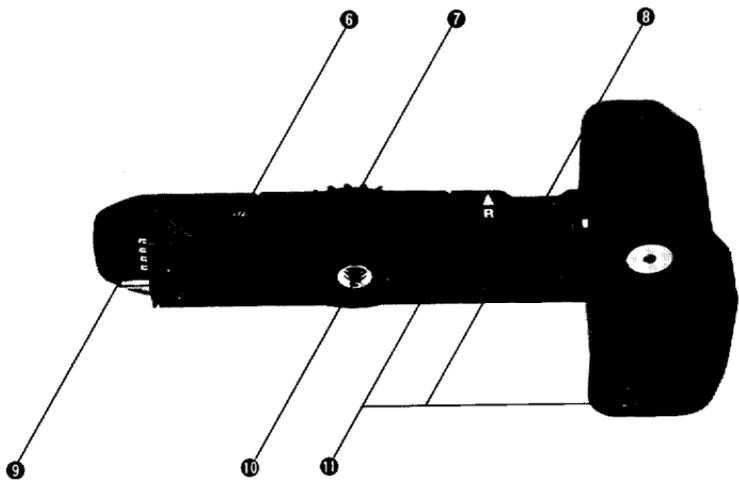
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DESCRIPTION OF PARTS

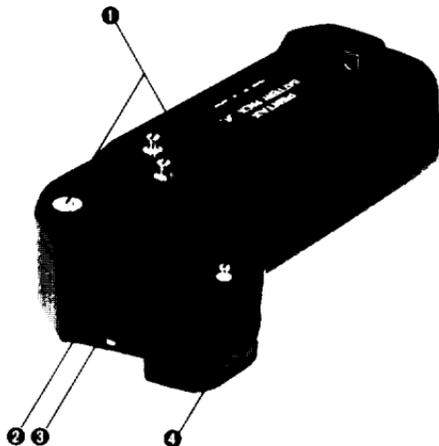
Motor Drive A



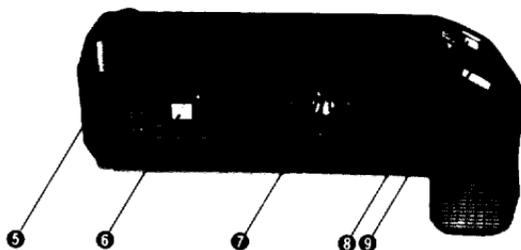
- ① Trigger Button
- ② Shooting Mode Dial
- ③ Shooting Mode Dial Lock / Release
- ④ Alignment Pin
- ⑤ Film Transport Coupling Claw
- ⑥ LED
- ⑦ Attachment Screw
- ⑧ Rewind Lever
- ⑨ Power Source Connector Pins
- ⑩ Tripod Socket
- ⑪ Coupling Slots

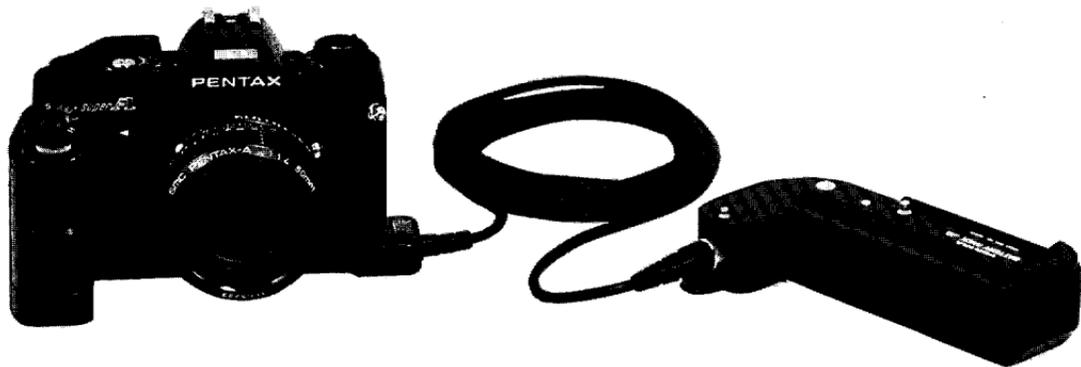


Battery Pack A



- ❶ Coupling Pins
- ❷ Trigger Lock Lever
- ❸ Battery Pack A Trigger Button
- ❹ Remote Control Socket Cover
- ❺ Battery Clip
- ❻ Battery Clip Lock / Release
- ❼ Tripod Socket
- ❽ Battery Pack A Lock-release button
- ❾ Battery Pack A Lock-release Lever



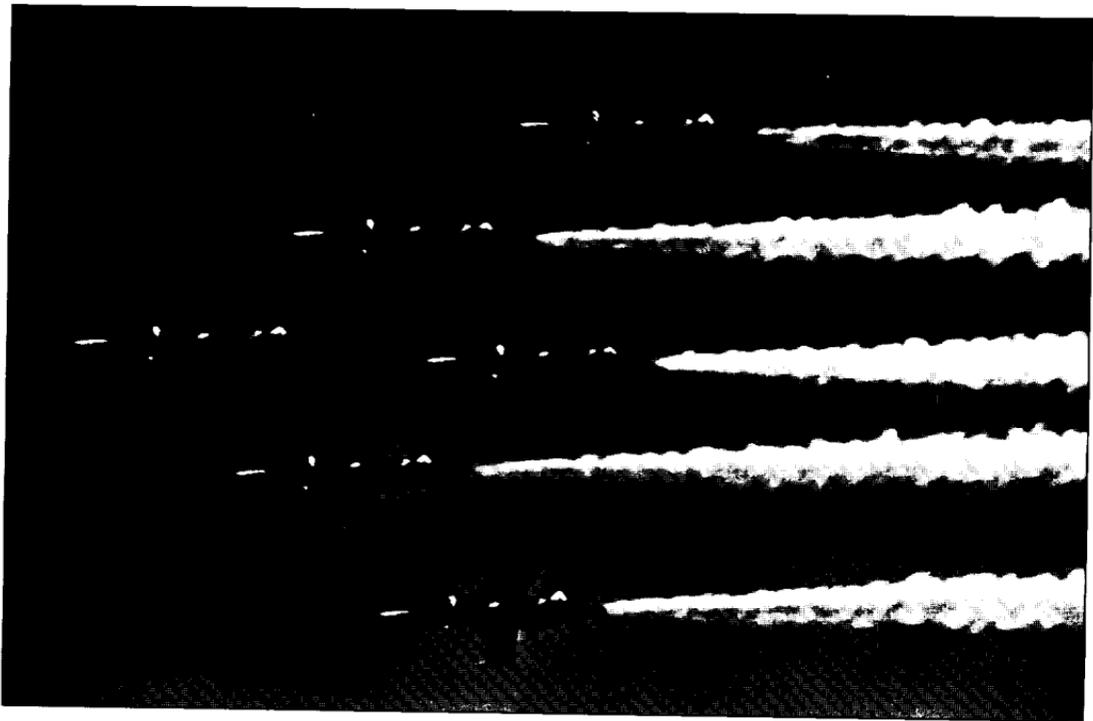


Power Cord A



Remote Cord A





6

POWER SOURCE

Battery Pack A

Batteries and Number of 36-Exp.

Rolls of Film per Fresh Battery Set

High-Power Manganese Batteries Approx. 50

Alkaline-Manganese Batteries Approx. 100

Ni-Cd Batteries Approx. 100

Notes: You will need a battery charger for your Ni-Cd batteries. Refer to the instructions that come with Ni-Cd batteries for the information on performance and care.

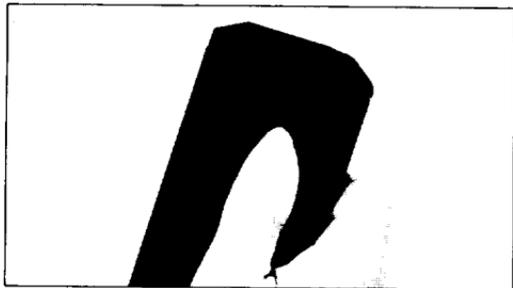
Shooting in Cold Climates

Battery performance tends to deteriorate in low temperatures. Keep spare batteries on hand when shooting in cold weather. In actual operation, try to keep the Battery Pack A warm and connect it to the Motor Drive A with the Power Cord A. (Rf. Remote Control Operation)

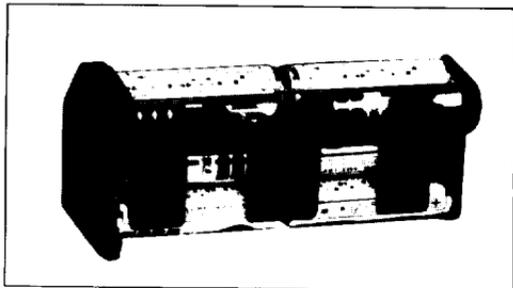
Remember that battery power returns to normal when batteries warm up. Therefore, it's a good idea to keep a few sets of batteries warm and use them in turn.

If you shoot with weak batteries, the motor drive will slow down and eventually stop, leaving the LED warning light on. Replace weak batteries with warm fresh batteries and continue shooting.

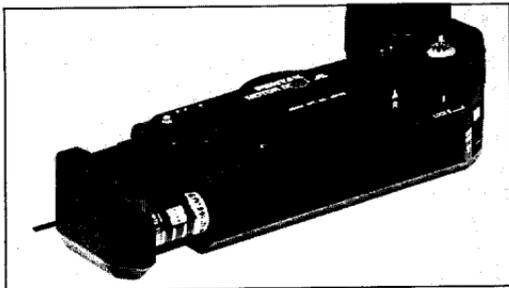
LOADING BATTERIES



Press the battery clip lock and the clip will spring out from the Battery Pack A shell. Pull the battery clip all the way out.



Insert 8 AA batteries, carefully following the polarization instructions. Do not mix batteries. This may cause malfunctions or damage to the unit.



Slide the battery clip into the battery pack shell and press to lock.

Preventing Battery Problems

Follow the polarization directions when loading batteries.

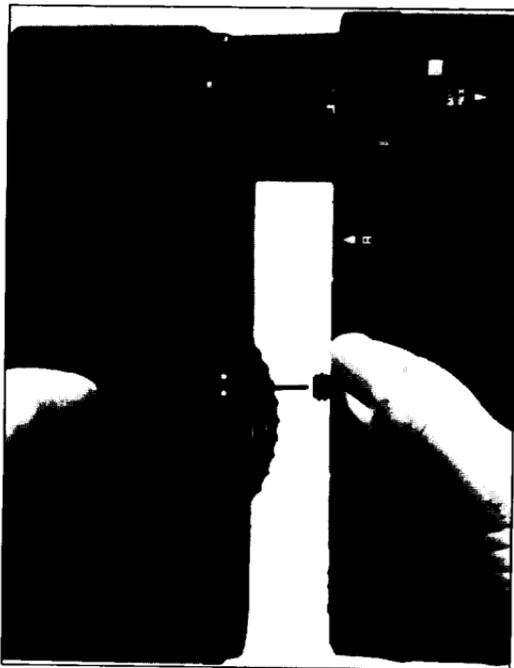
If batteries are not correctly inserted they may leak chemical solution, heat up or be punctured. When you replace batteries, replace them with the same brand and same type of fresh batteries.

Do not mix battery brands and types.

Take out all batteries when you do not plan to use the motor drive for a prolonged period of time.

Old batteries tend to leak chemical solution and damage the equipment.

ATTACHING THE MOTOR DRIVE



The Motor Drive A can be attached to the camera any time, whether the camera is loaded with film or not, and whether the shutter is cocked or not. Remove the Grip Super A to attach the Motor Drive A. Before you attach the motor drive, make sure its shooting mode dial is set to the OFF position. If not, turn the dial, depressing the lock-release button.

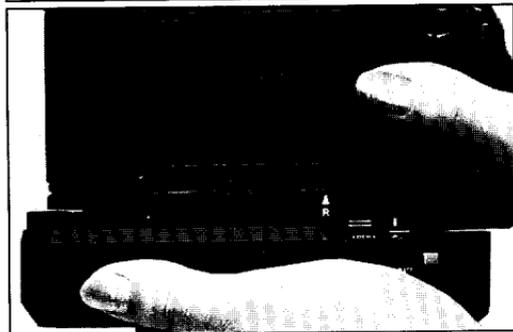
Aligning the film transport coupling claw of the Motor Drive A with the receptacle on the camera, connect them and tighten the screw as shown in the picture.

ATTACHING AND DETACHING THE BATTERY PACK A

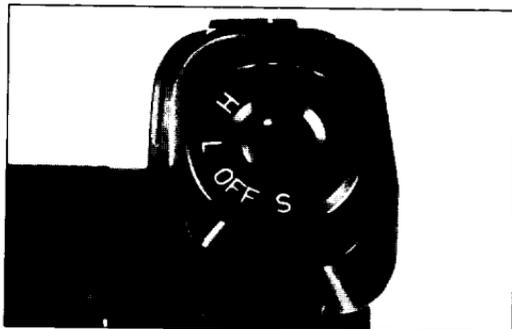
You can attach or detach the Battery Pack A either before or after you attach the motor drive to the camera.

When detaching the battery pack, press down on the lock-release lever while depressing the lock-release button, then slide the battery pack slightly to the alignment marks and lift it off.

When attaching, align the marks on the Motor Drive A and the Battery Pack A; then slide the battery pack toward the lock position. The battery pack automatically locks itself in position.



SHOOTING MODE DIAL



Shooting Mode Dial

- S (Single frame) : Advance one frame at a time
- L (Slow speed) : Continuous advance, approximately 2 frames per second.
- H (High speed) : Continuous advance, approximately 3.5 frames per second.

Turn the dial to the desired shooting mode, while depressing the lock-release button.

Single Frame and Continuous Shooting

Single Frame Shooting; S

After you release the shutter, the camera automatically stops winding when the next frame is advanced into position. To shoot again, take your finger off the trigger button, then press it again.

Film is automatically advanced to the next frame even if you take your finger off the trigger button immediately after shutter release.

Continuous Shooting Mode; L, H

The camera takes picture continuously until you take your finger off the trigger button. Then the camera stops after advancing the film to the next frame. If you set the shooting mode dial at H (3.5 frames per sec.), you can shoot for about 10 seconds continuously with a roll of 36-exposure film. Or you can shoot for only a few seconds at a time. Choose a speed of either 3.5 frames per second (H) or 2 frames per second (L) according to your needs.

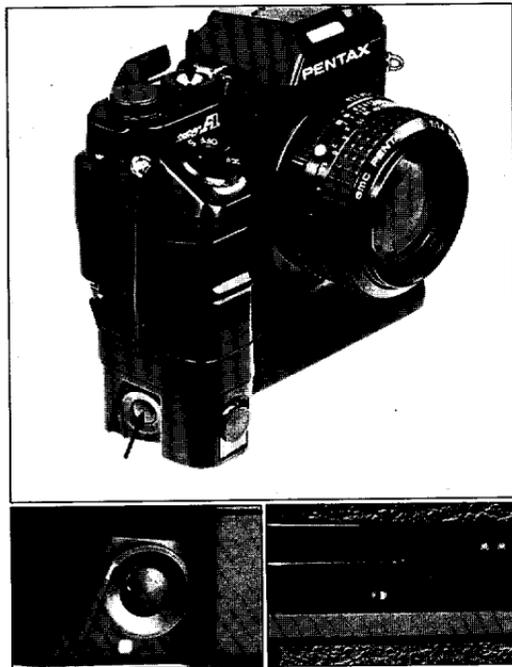
SHUTTER TRIGGER BUTTON

The shutter can be released by the motor drive's trigger button, the battery pack's trigger button or by the camera's release button. When you use the battery pack's trigger button, turn the trigger lock-release lever ON. This trigger button is particularly useful when you operate the camera in a vertical position.

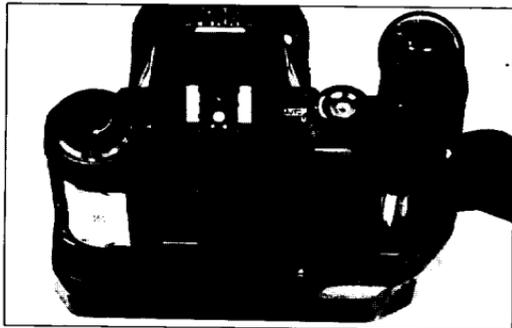
LED

The LED lights up when the Motor Drive A is advancing film.

When a roll of film ends during film advance operation, the LED lights continuously. Turn the shooting mode dial to OFF to switch off the power source.



NOTES ON LOADING FILM / NOTES ON ACCESSORIES



Notes on Loading Film

After putting a roll of film in the camera, set the shooting mode dial to S and make a couple of blank exposures.

Do not set the shooting mode dial to H or L until you advance to the first frame. If set to H or L while loading film, the camera may halt in the middle of operation or advance the film unnecessarily.

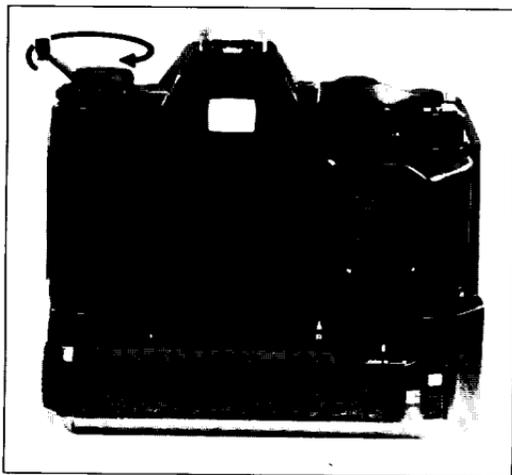
When the camera stops with the Shooting Mode Dial mis-set, turn the dial to OFF and re-set it to the S position. The camera will return to normal operation.

Notes on Accessories

When the camera is equipped with the Digital Data M, set the shooting mode dial to S or L. The data may not be perfectly imprinted, if the motor drive is set to H.



ENDING A ROLL OF FILM, REWIND



At the end of a roll of film, the motor drive automatically stops and the LED lights to indicate the end of the film. Turn off the power switch by turning the shooting mode dial to the OFF position. The LED turns itself off.

To rewind the film, push up the rewind lever of the motor drive as indicated and rewind the film with the camera's rewind crank, rotating it in the direction shown by the arrow.

SELF-TIMER, TRIPOD

Self-Timer

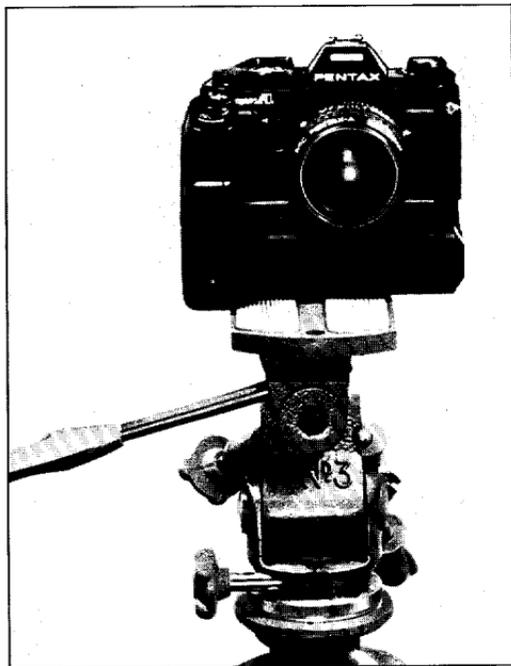
The self-timer can be used regardless of the shooting mode dial position. When it is set to OFF, start the self-timer with the camera's shutter release button.

Mounting the Battery Pack A to a Tripod

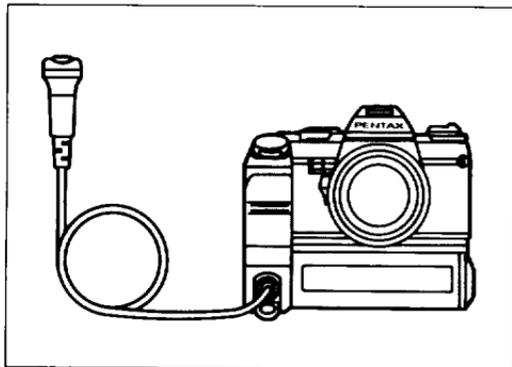
Screw the tripod into the Battery Pack A's tripod socket.

Mounting the Motor Drive A to a Tripod

For remote control operation, detach the battery pack from the motor drive and mount the motor drive directly on the tripod, using its tripod socket.



REMOTE CONTROL OPERATION



With the Remote Cord A

Insert the remote cord plug into the Battery Pack A's remote control socket and tighten the screw. Operate the camera with the trigger button of the Remote Cord A.

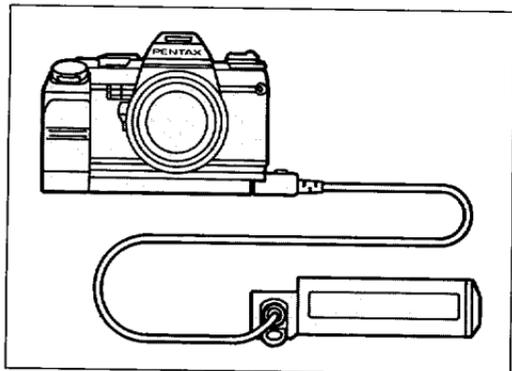
The length of the cord is 5 meters or 16.5 ft.

With the Power Cord A

Connect the Battery Pack A and the Motor Drive A with the Power Cord A. To insert the power cord plug into the Battery Pack A, pry open the remote control socket cover with a thin-edged object.

Operate the camera with the trigger button of the Battery Pack A after turning the trigger-lock lever to the ON position. The power cord's length is 3 meters or 10 feet.

Note that the camera can be operated by the Motor Drive A's trigger button with the shooting mode dial set at H, L or S even if the battery pack is set to OFF with the trigger lock lever.



SPECIFICATIONS

Batteries and number of rolls of film (36 exp.) at normal temperature:	Battery Pack A: 8 AA batteries, 12 Volts High-Power Manganese Batteries Approx. 50 Alkaline-Manganese Batteries Approx. 100 Ni-Cd Batteries Approx. 100
Shooting modes:	S: Single frame L: Approx. 2 frames per sec. continuous. H: Approx. 3.5 frames per sec. continuous, at speeds faster than 1/125 sec.
Triggering:	Via trigger button on the motor drive, the battery pack or the shutter release button on the camera.
Applicable shutter speeds:	1/2000 sec. to 15 sec., 125X, Auto and B
LED confirmation:	LED lights up during film advance.
Tripod mounting:	Either the motor drive or the battery pack can be mounted on a tripod.
Weight and dimensions:	Motor Drive A 142(W) x 81(H) x 70(D)mm, 260g Battery Pack A 143(W) x 35.5(H) x 71.5(D)mm, 175g (without batteries) Total height of the Motor Drive A set: 108mm Total height of camera and the Motor Drive A set: 127mm
Optional accessories:	Remote Cord A



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Specifications are subject to change without notice.

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