



*How to make
prize winning
pictures*

WITH THE
GRAPHIC® 35 ELECTRIC

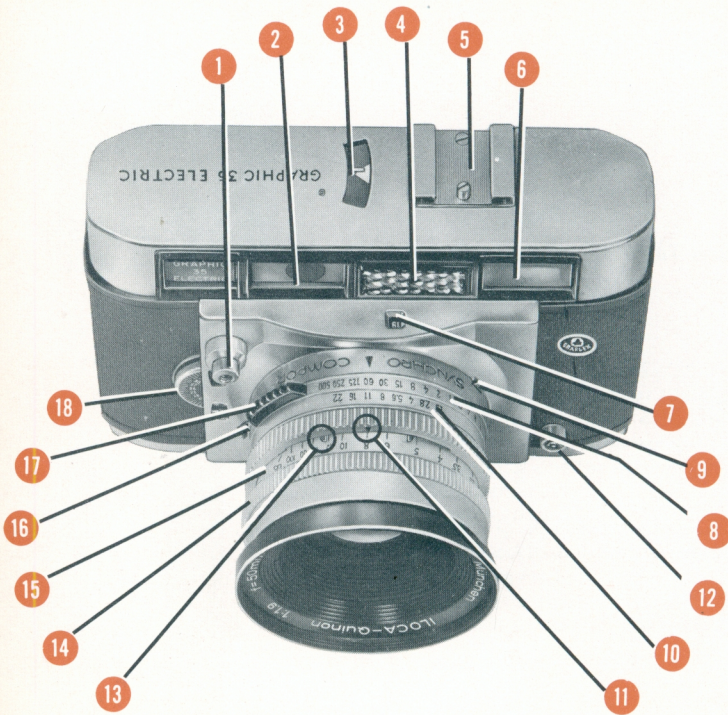


The automatic features of the Graphic 35 Electric completely simplify your picture-taking. Just set the camera for the shutter speed you want, center the exposure meter pointer and press the release. There are no numbers to set, no complicated computations for setting the proper diaphragm and shutter speed combinations.

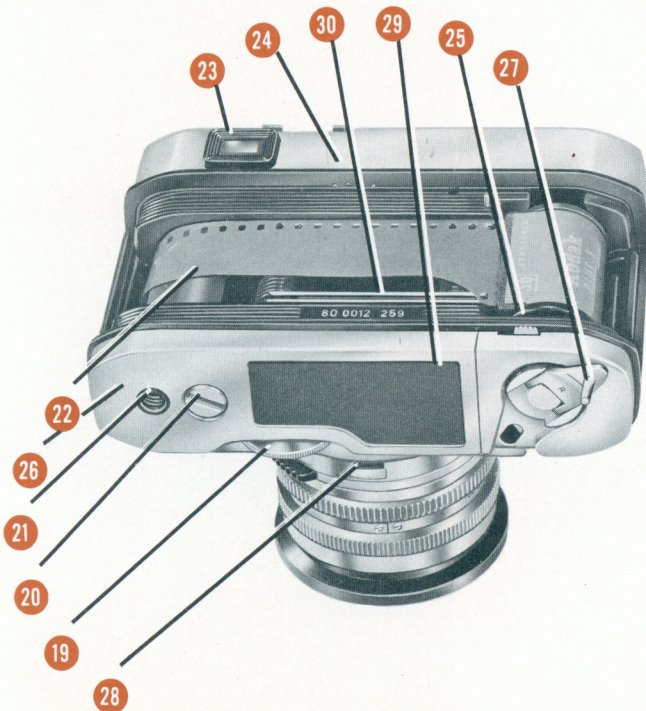
A few minutes spent in studying the instructions in this booklet will reward you with a lifetime of carefree picture-taking pleasure. Whatever kind of film you use . . . whatever kind of subject matter . . . whatever your lighting conditions . . . you will get correctly exposed pictures always.

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1. Shutter release button and cable release socket
2. Rangefinder window
3. Exposure meter indicator window
4. Exposure meter cell
5. Accessory clip
6. Viewfinder window
7. Exposure counter window
8. Shutter speed scale
9. Sync lever safety lock
10. Lens opening (diaphragm) scale
11. Focusing scale index
12. Flash fitting
13. Depth of field indicators
14. Focusing ring
15. Distance scale
16. Sync lever
17. Exposure combination selector handles
18. Film index selector



- 19. Exposure setting dial
- 20. Camera base plate retaining screw
- 21. Tripod socket
- 22. Take-up spool
- 23. Range-viewfinder eyepiece
- 24. Exposure counter dial
- 25. Rewind crank release
- 26. Camera base plate
- 27. Rewind crank handle
- 28. Lens lock release
- 29. Battery compartment cover (under base plate)
- 30. Serial number

Basic camera operation

LOADING

Slide the rewind crank release (25) aside to release the crank handle. Grasp the rewind crank handle (27)—press the release again while continuing to pull the crank shaft outward. Handle camera by edges—the back will open automatically.

To some it may be more convenient to pull the rewind crank handle fully out while holding the camera firmly—then while holding the camera by the edges—press in slightly on the crank shaft until the back pops open.

Always load or unload camera in subdued light since bright sunlight may fog film.

Drop the film cartridge into the right hand chamber—press the rewind crank shaft back into place turning the handle if necessary to engage the cartridge.

Rotate the take-up spool (22) to bring the film slot to the top. Pull the film across the camera and insert the end into the slot (about 1/5 inch). Rotate the take-up spool again to wind the leader completely onto the spool. The full width of the film will now lie



across the film aperture, sprockets and take-up spool. Be sure the film lies smoothly with sprockets engaging the sprocket holes.

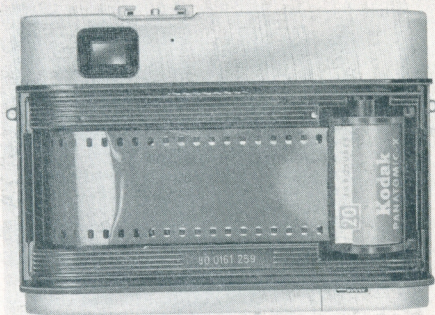
Set the exposure counter [red 22 for 20 exposure rolls and the double arrow (↔) for 36 exposure rolls] by turning the toothed exposure counter dial (24) located above the film aperture. Snap the rewind crank handle (27) into the recess*.

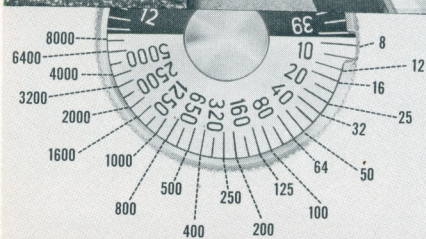
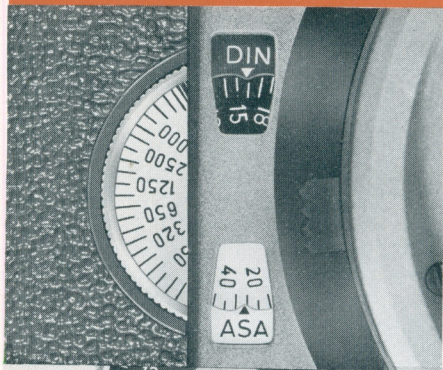
Replace the camera back being sure to match the red dots on camera back and camera body. Fit the left side first and snap the right end into place.

Press the shutter release (1) while watching the exposure counter window (7) to see that the counter moves as the film is advanced. Press again and the green 36 or 20 (depending upon the exposure counter setting) will appear in the counter window. The camera is now ready for the first picture.

*Note: The rewind crank handle must be snapped into place for the film to advance and the exposure counter to operate. The counter will indicate the number of pictures remaining on the roll.

Set the film speed number (from instruction sheet packed with film) on the Film Index Selector (18).





FILM INDEX SELECTOR DIAL

From the table on Page 19 or the leaflet packed with the film, determine the ASA Exposure Index (film speed) for the film being used. Turn the film index selector (18) until this black number (or index line) appears opposite the arrow in the bottom window. (The top window and white figures are for DIN film ratings.)

Since the film index selector dial cannot include all of the exposure index numbers it is calibrated in accordance with general practice to include every third figure with scale lines showing the setting for intermediate numbers.

The illustration at (left) indicates these intermediate ASA exposure index settings.

LENS AND SHUTTER SETTINGS

The numbers on the rear scale (8) are shutter speed numbers. The black numbers represent exposure times in fractions of a second and the green numbers are for reference only, representing whole second exposures necessary. When the shutter is set on the green numbers or the green "B" the shutter will open when the release is pressed and will not close until released.

The second row (10) of black numbers are lens openings (f numbers).

EXPOSURE SETTINGS

Select a convenient shutter speed (usually 1/60 or 1/125) by rotating the exposure combination selector (17) with its handles and/or by adjusting the exposure setting dial (19).

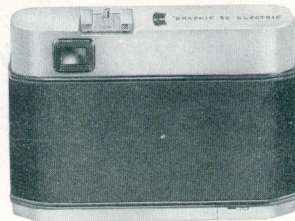
Point the camera at the subject—rotate the exposure setting dial (19) to center the exposure meter pointer over the bright index seen in the top center of the viewfinder (see illustration on page 11), as well as in the exposure meter indicator window (3) in the top of the camera. With the proper film speed set on the film index selector and the meter pointer in the center of the viewfinder you will always make correctly exposed pictures.

See page 16 for additional information on exposure meter usage.

FOCUSING

Look through eyepiece of the combination range and viewfinder (23)—bring the movable image in the bright circular field at the center of the viewfinder frame into register with the larger stationary image by rotating the focusing ring (14). The distance of subject from camera is indicated by the number opposite the front black triangular index (11) on the lensmount.

Subject material within the range of distances indicated by the two red depth-of-field indicators (13) will be in sharp focus. For more or less depth of field turn the exposure combination selector (17) as needed while watching the movable red pointers on the lens.



YOUR CAMERA WARRANTY:

To the initial purchaser of this camera:

Skilled craftsmen have produced this camera. They have built into it a level of quality and performance which will insure your enjoyment in the making of fine pictures.

Each new camera is warranted to be free from faulty materials and workmanship, except as hereinafter set forth. If any time during your first year of ownership, any servicing is necessitated by faulty material or workmanship, it will be provided (or the equipment replaced at our option) without charge except for transportation charges, by your nearest Graflex Service facility. Returns for servicing should be made through your Graflex Dealer; or if this is not convenient, the equipment should be carefully packed in a stiff container with adequate packing (not excelsior). Attach name and address and any specific instructions to the package, which should be adequately secured and fully insured.

This warranty is not applicable:

- A. To any non-Graflex manufactured accessory items;
- B. To Equipment which in our judgment has been damaged, abused, or requires replacement of parts due to wear and tear from use, or for any reason other than faulty materials and workmanship. Such equipment will be serviced at factory-established rates;
- C. To Equipment which has been tampered with or serviced by other than Graflex personnel;

- D. If adaptations or accessories of other than Graflex recommendations have been made or attached;
- E. If the equipment has not been registered with Graflex by means of the attached registration card or appropriate substitute within 60 days from date of purchase.

No liability is assumed for film which is damaged or is unsatisfactory for any reason (due to equipment malfunction or otherwise), nor is Graflex, Inc., obligated to replace such film. No liability is assumed for expenses or damages resulting from interruptions in operation of equipment.

In order that we may be able to pursue our continuing program of product improvement, Graflex reserves the right to make changes in design, or add improvements to any product without incurring any obligation to include such revisions in equipment previously produced.

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Canada	47 Simcoe Street	Toronto, Ont., Canada

Record here the serial number for your insurance file and future reference.

Camera No..... Lens No.....

GRAFLEX, INC., Rochester 3, N. Y.

Graphic 35 Electric

CAMERA NO.

LENS NO.

OWNER'S NAME.....

STREET.....

CITY.....STATE.....

Date Purchased..... From.....

Which is a ☐ Photo Dealer ☐ Drug Store ☐ Dept. Store

Other.....

(specify)

Dealer Address: City.....State.....

I learned about the Graphic 35 Electric through:

☐ Dealer recommendation ☐ Advertising in.....

(publication)

Other way.....

(specify)

Other cameras I own are.....

Photographer's Signature.....Occupation.....

I am interested in Photographs of.....

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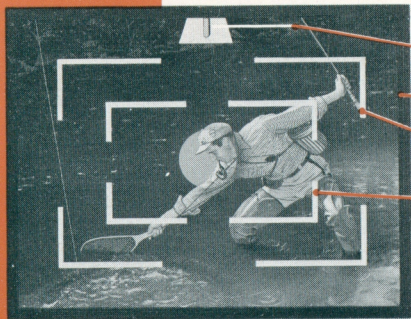
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GRAFLEX, INC.

3750 MONROE AVE.

ROCHESTER 3, N. Y.





exposure meter pointer

35mm field

50mm field

135mm field

MAKING THE PICTURE

Compose the picture within the proper field of the viewfinder • Inner bright frame for 135mm (telephoto) lens • Outer bright frame for 50mm (normal) lens • Complete viewfinder for 35mm (wide angle) lens.

Select the combination of shutter speed and lens opening desired—fast shutter speeds to stop motion—small lens opening (large f number) for great depth of field. Press the shutter release (1) button momentarily to make the picture.

The film will continue to advance and the shutter will reset automatically even after pressure is removed from the button. For sequence pictures, hold down the button until the desired number of exposures have been made.

ELECTRONIC FLASH

When using Strobomite, Stroboflash or other electronic flash units, set the synchro lever at "X." Use any black and white film or any daylight type color film.

UNLOADING

After the last exposure a red "flag" will appear in the exposure counter window (7) indicating the roll has been completely exposed. A safety switch automatically turns off the automatic electric winding motor preventing it from pulling the film from the cartridge.

Since the motor stops automatically upon reaching the red safety "flag" proper setting of the exposure counter dial when the film is loaded is particularly important. (See instructions under "Loading" Page 6.)

The film must be rewound into its cartridge before the back can be opened and the film removed.

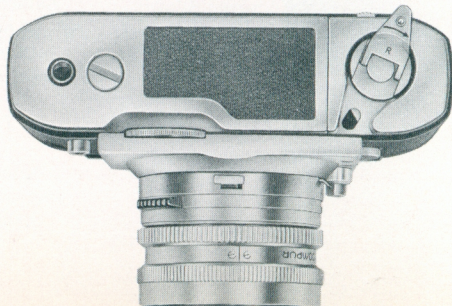
Press the rewind crank release (25). (After pressing the rewind crank release, the motor

Use Graflite Connecting Cord, Cat. No. 2721 or 2821.

Follow the instructions in the Strobomite or Stroboflash manual when using these units.

may start momentarily completing its normal cycle. This does not cause film to advance since the driving sprockets will be disengaged. This is normal and does not in any way indicate a malfunction or that another exposure has been made.) Turn the handle (27) in the direction of the arrow until the film counter dial stops moving.

The back can now be opened (in subdued light); and the film removed.



DELAYED ACTION. To set the delayed action mechanism, press the sync lever safety lock (9) and move the green sync lever (16) to "V." When the release button is pressed shutter opening will be delayed about 10 seconds allowing you time to get into the picture.

Once the sync lever has been set to "V" the shutter must be tripped to return it to "X."

MAKING PICTURES WITH FLASH. Slip the flash unit into the accessory clip (5) at the top of the camera and attach the connecting cord to the flash fitting (12). Set the desired shutter speed with the exposure combination selector. Set the lens opening as determined by the guide number and

distance to the subject by turning the exposure setting dial (19).

BULBS. When using Class "M" flashbulbs (No. 5, Press 25, M-5) set the sync lever (16) at "M" by pressing the sync lever safety lock (9) and moving the green sync lever. "SF," "SM," "M-2," and "M-25" flashbulbs may be used at speeds of 1/30 and 1/60 second with the sync lever at "X." Use clear flashbulbs with black and white and indoor type color films. Use blue flashbulbs with daylight color films.

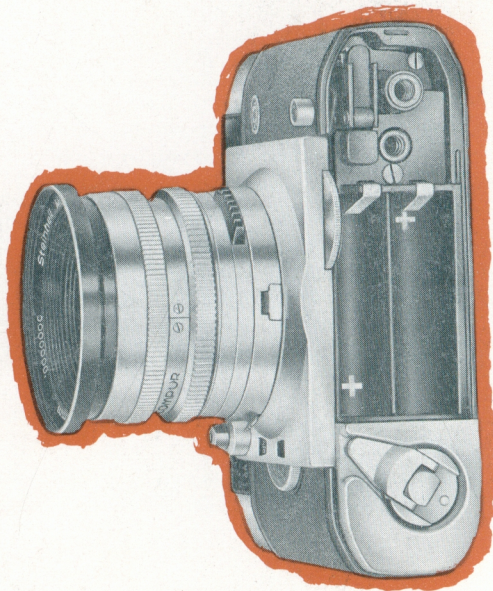
NOTE: When the delayed action mechanism is used, synchronization is the same as for "X."

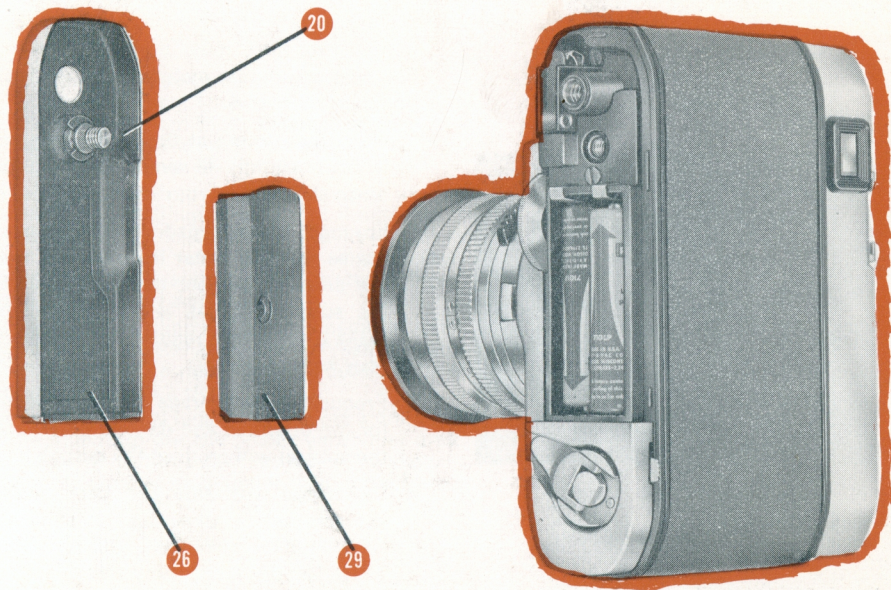
CHANGING BATTERIES

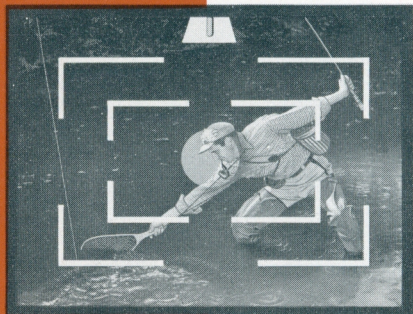
Remove the base plate (26) from the bottom of the camera by loosening the retaining screw (20) with a coin and lifting it off. Remove the black battery cover (29) to expose the batteries. Lift them out and replace with fresh PHOTOFLASH penlite batteries. Be sure to position the top (positive + end) next to the (+) marks in the compartment. (See photo) Replace the battery cover and base plate. Batteries may be replaced while the camera is loaded.

A pair of fresh batteries will operate the camera for approximately 1,000 pictures. As the batteries become exhausted the motor will run more slowly indicating the end of their useful life.

If the motor should stop during the winding movement, REMOVE THE BATTERIES IMMEDIATELY, since the motor will still be "on" and will completely run them down. Never store the camera with old or weak batteries as they may leak causing damage to the camera.







USING EXPOSURE METERS

All exposure meters, in order to indicate correct exposure, must be used carefully. For best exposures, meter readings should be made as follows:

1. Point the camera at the subject, tipping it down slightly to avoid including too much sky light in your reading.
2. For most accurate readings hold the camera so that the meter is no farther from the principle subject than the width of the subject. If this is not convenient, make a substitute reading of the back of your hand.
3. Frequently, an average of the exposures for the brightest and darkest portions of the subject will produce the best picture.
4. Be careful with side and back lighted subjects not to allow light to shine directly onto the meter cell. (See paragraph 2) Reflections from shiny lenshoods can inflate meter readings.

INTERCHANGEABLE LENSES

The interchangeable lenses for the Graphic 35 Electric are focusing type having precision bayonet mounts for the Synchro Compur Shutter and have exclusive Depth-of-Field Indicators which show the full field of focus at all distances and all lens openings. Wide angle, normal and telephoto lenses include the following:

- 50mm 6 element f/1.9 Steinheil Quinon
- 50mm 4 element f/2.8 Rodenstock Ysarex
- 35mm 4 element f/4.5 Steinheil Culmignon
- 135mm 5 element f/4 Rodenstock Rotelar

To remove a lens from the camera, press in on the lens lock release (28) (Page 5) and turn the lens to the left to release. Do not touch shutter leaves and do not leave camera with lens removed since shutter blades are delicate and should be protected from dust and dirt at all times.

To replace lens—align red dot on lensmount with red dot in the shutter as in photo. Press in slightly and rotate to the right as far as possible. The lens will seat with a click.

Each different focal length lens covers a different area—be sure to use the proper viewfinder area when making pictures as indicated in the sketch. Center the circular rangefinder field in the frame for correct viewing. (See page 11.)

IMPORTANT: When changing lenses be sure the camera is not set for an aperture larger than the maximum aperture of lens being installed (i.e. for 135mm Rotelar f/4, scale on shutter should read f/4, f/5.6 or smaller.)



EXPOSURE COUNTER RESETTNG

If the initial setting of the exposure counter is inadvertently omitted, rewind (See page 12) the film, counting the number of exposures as the counter wheel rotates. Try not to rewind the film completely into the car-

tridge. Make the proper counter setting (at 21 or 22); reload and rerun the number of exposures made as noted through the camera with the lens cap in place. Make two more exposures to be sure that there is no overlap or double exposure and continue to make pictures as before.

WHEN USING FILTERS

When using filters, a filter factor must be employed since the filter holds back some light thereby actually changing the effective speed of the film. The simplest method of compensation is to change the film speed setting on the film index selector (18). Since a difference of three scale lines on the film index selector is equivalent to a 2X exposure difference, a filter factor of 2 is accommo-

dated by moving the selector dial three scale lines toward a slower film speed (i.e. from 100 to 50). A filter factor of 4 requires that the film index selector dial be moved 6 scale lines toward a slower film speed (i.e. from 100 to 25); other filter factors can be accommodated similarly.

After removal of filters be sure to reset the film index selector dial to prevent making overexposed pictures.

ASA EXPOSURE INDEX TABLE

For commonly used films. Check the sheet packed with the film for the latest data.

FILM	LIGHT SOURCE		FILM	LIGHT SOURCE	
	Daylight	Tungsten		Daylight	Tungsten
Color Films			Ektachrome Type F	16***	16**
Anscochrome Daylight	32	—	High Speed Ektachrome Daylight	160	—
Super Anscochrome Daylight	100	—	High Speed Ektachrome Type B	64*	100
Super Anscochrome Tungsten	80*	100	Black and White Films		
Kodachrome Daylight	10	—	Ansco Super Hypan	500	400
Kodachrome Type F	10	12**	Kodak Panatomic-X	25	20
Kodacolor	32	20**	Kodak Plus-X	80	64
Ektachrome Daylight	32	—	Kodak Tri-X	200	160

*With 85B filter

**With 82A filter

***With 85C filter

SPECIFICATIONS

FILM SIZE: Standard 20 or 36 exposure roll 35mm film—black and white or color.

SLIDE SIZE: Standard 2 x 2 (35mm).

LENSES: Interchangeable coated color corrected—mounted in precision bayonet mounts for synchro compur shutter.

Wide Angle—35mm 4 element f/4.5 Steinheil Culmigon—40.5mm screw-in filter mount dia.

Normal—50mm 6 element f/1.9 Steinheil Quinon—58mm screw-in filter mount dia.

Normal—50mm 4 element f/2.8 Rodenstock Ysarex—40.5mm screw-in filter mount dia.

Telephoto—135mm 5 element f/4 Rodenstock Rotelar—58mm screw-in filter mount dia.

FOCUSING: Helical.

SHUTTER: Synchro Compur with speeds to 1/500 plus B. Automatic electric cocking.

FLASH: Synchronized at all speeds for Class "X" (electronic flash) and Class "M" bulbs (5, Press 25, M-5)—M-2, M-25, SM and SF up to 1/60 second. Use Cat. No. 2721 or 2821 Graflite Connecting Cord.

SYNC LEVER SAFETY LOCK

FILM ADVANCE: Automatic Electric.

VIEWFINDER: Large, brilliant, parallax correcting, direct eye-level with bright line finder frames for 135mm and 50mm lenses. Full frame for 35mm lenses.

RANGEFINDER: Superimposed type.

EXPOSURE METER: Built-in—visible at top of camera and in viewfinder window—coupled to exposure setting dial.

CONSTRUCTION: All metal precision die-cast—3 $\frac{3}{4}$ x 6 $\frac{3}{4}$ x 3 $\frac{3}{4}$ "—Weight, 2 lbs. 3 oz.

OTHER FEATURES: Exposure combination selector dial—Provision for sequence photography—Automatic film stop at end of roll—Tripod socket-cable release—Standard accessory clip—Rapid rewind crank—Built-in self timer.

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