

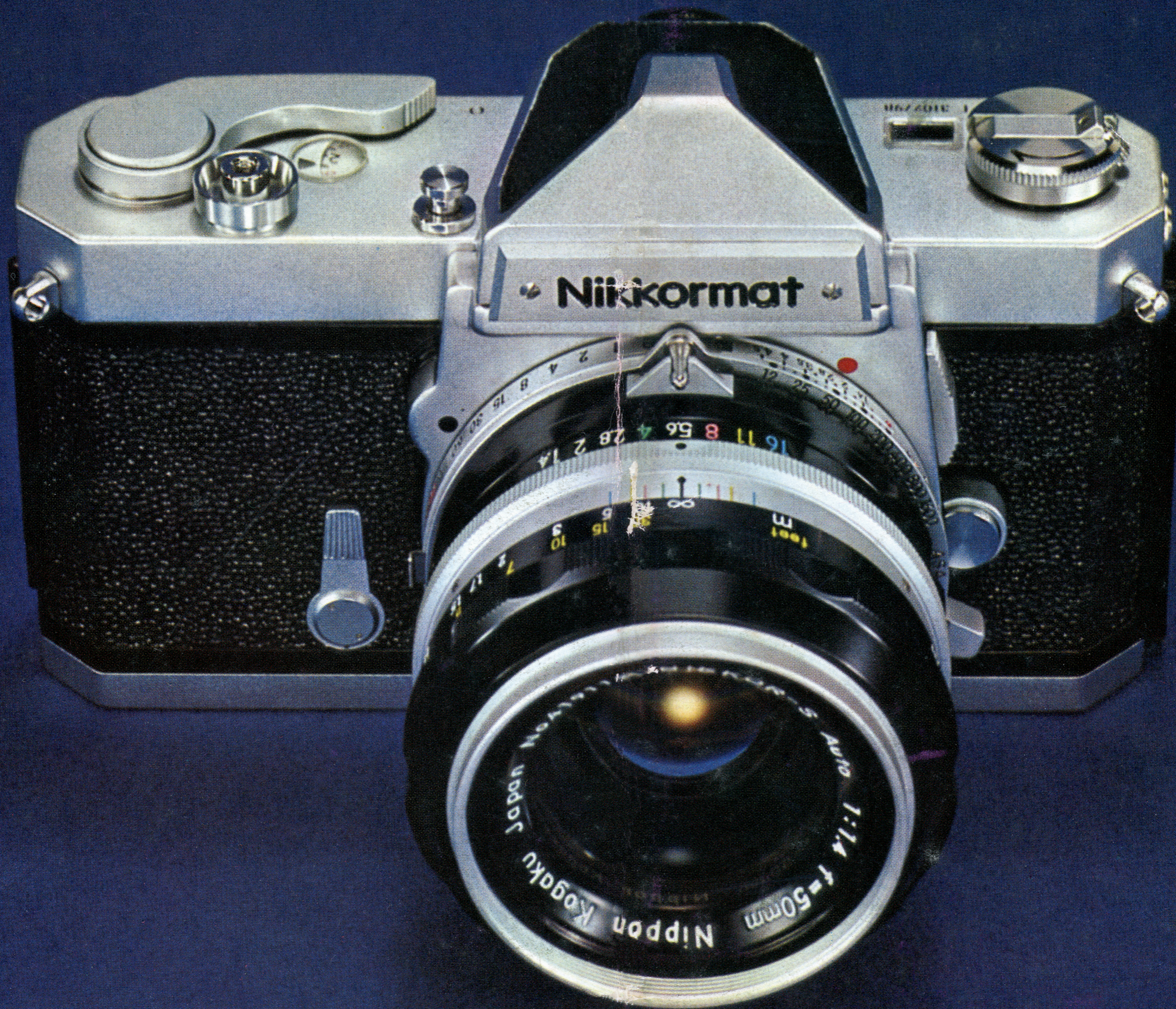
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Nikkormat FT



***Nikon* PRESENTS....**

The makers of Nikon cameras are proud to introduce the NIKKORMAT FT—a completely new 35 mm single lens reflex camera with today's most advanced built-in thru-the-lens light metering system internally cross-coupled to the lens diaphragm and shutter speed.

The NIKKORMAT FT thru-the-lens metering concept provides a precise reading of light which is recorded on the film, irrespective of lens or attachment used, through application of exclusively designed features. In addition to this advantage, metering as well as composing and focusing is accomplished with the lens fully open.

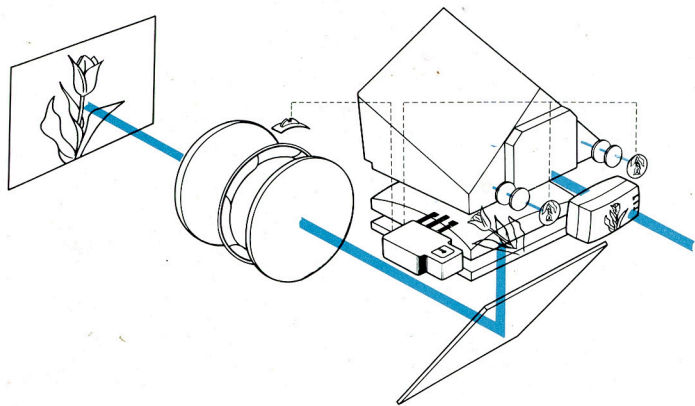
The NIKKORMAT FT has an abundance of other features such as AUTOMATIC REOPEN DIAPHRAGM, AUTOMATIC MIRROR RETURN AND

AUTOMATIC ACTIVATION OF THE METER by the lever controlling film advance and shutter cocking.

A 50 mm Nikkor lens is standard equipment with this advanced camera, however the complete line of famous Nikkor interchangeable lenses is accessible to the NIKKORMAT FT.

Another highlight of the NIKKORMAT FT is its brilliant Fresnel focusing screen which incorporates a micro-prism grid for critical yet easy and rapid focusing.

In every respect the NIKKORMAT FT bears Nikon's time-tested stamp of quality and precision workmanship, assuring the user of years of photographic pleasure with reliability.



New Metering System
By Nikon Assures
Accurate Exposures Always

NIKKORMAT FT thru-the-lens metering system insures exposures as accurately as modern science has thus far devised. The same intensity of light passing through the taking lens is exactly that registered by the meter.

And, the system measures the light coincident with the picture angle of any lens selected for use. Also, the metering system of the NIKKORMAT FT automatically compensates for exposure changes when using filters or in close-up photography.

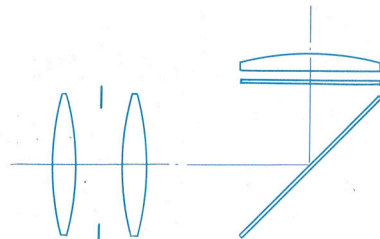
Two CdS cells governing the metering system are located on both sides of the finder eyepiece. The cells work in conjunction with newly developed "condensify" lenses which condense and intensify the exact image of the focusing screen onto the corresponding CdS cells. Aided by special anti-reflective coating of the condenser the "condensify" lenses "see" only the framed in picture area of the screen and prevents registration of extraneous light or reflection. Thereby, optimum accuracy is assured and an average measurement of light is made from the complete framed in picture area on the screen.

Full Vision Photography With Nikkor Automatic Diaphragm Lenses

Cross-coupled to aperture and shutter speed the NIKKORMAT FT metering system is compatible with any interchangeable Nikkor lens. Its great advantage is that with an automatic diaphragm Nikkor lens one has the outstanding convenience of focusing, composing, and metering with the lens fully open, even with the diaphragm preset at taking aperture. Consequently, except at the instant of exposure, there is an unrestricted view of the subject since the automatic diaphragm feature precludes darkening of the scene.

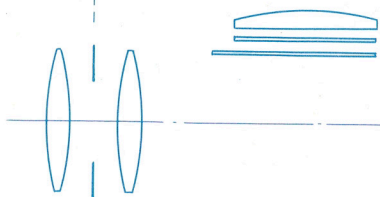
Correct exposure-setting combinations of speed and aperture are indicated by a needle visible inside the finder. Another needle may be seen inside a window on top of the camera.

One has the advantage of precise metering with non-automatic or automatic lenses without meter couplers because the diaphragms are optically coordinated. The diaphragms are actually stopped down to preselected aperture and light passing through the lens is automatically registered by the meter.

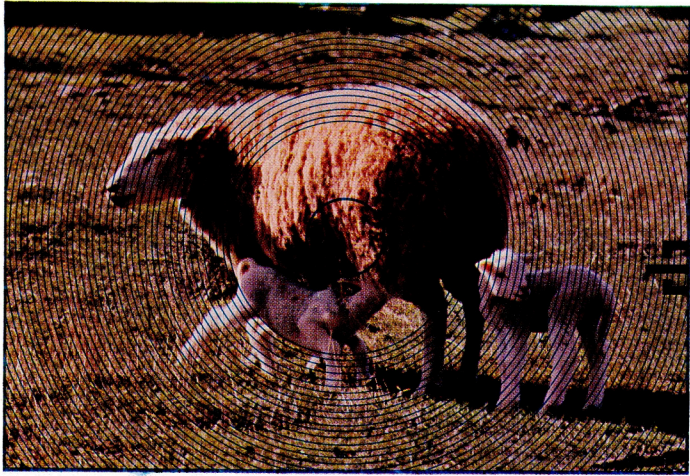


You focus, compose and read exposure with diaphragm fully open.

Aperture preselection activates meter to read only the light passing through the stopped down diaphragm at exposure.



At instant of exposure diaphragm automatically stops down, mirror flips up. After exposure diaphragm automatically reopens.



Simple and Efficient Operation

A brilliant Fresnel screen with central micro-prism rangefinder spot makes focusing quick and easy. The entire screen may be used for focusing under normal circumstances, but critical results can be best obtained by using the micro-prism grid in the Fresnel screen.

The triple action lever is designed to rest against the camera body. When pulled back slightly it activates the meter. A 120° movement of the lever advances the film and cocks the shutter simultaneously. When returned flush against the body the lever turns off the meter.

A classic feature of the NIKKORMAT FT is convenience. ASA film index, shutter speed scale and aperture control are co-positioned to provide ease of reading and operation.

Loading film into the camera is also a simplified operation. A newly developed clear plastic sleeve on the take-up spool eliminates the necessity of fumbling to load film into the camera.



1 Triple Action Lever

Advances film, cocks shutter, serves as meter "on-off" switch. Overall winding angle is 155° with clearance of 15° and the "on-off" switch angle is 20°.

2 Shutter Release Button

3 Auto-Reset Exposure Counter

Registers 0 to 36 exposures. Automatically reverts to "s" when camera back is opened.

4 Depth-of-Field Preview Button

Depress the button and the fully open diaphragm automatically stops down to preselected aperture, allowing view of depth-of-field at taking aperture. Release the button and the diaphragm automatically and instantly reopens.

5 Shutter Speed Ring

12 settings from "B," 1 sec. to 1/1000 sec. All metal focal plane shutter is extremely accurate and remarkably noise-free in operation.

6 Self-Timer

Provides approximately 10 seconds delay in shutter operation.

7 Meter Coupling Pin

Pin engages coupling prong when automatic diaphragm lens is mounted on camera. Pin and prong move when diaphragm is selected. Meter reacts accordingly.

8 Meter Indicator

Complementary metering device, especially convenient for low angle photography.

9 Film Rewind Crank

Facilitates rapid rewind of film. Lever folds flush when not in use. Rewind button on bottom of camera.

10 Flash Synchronization Terminals

Red M for flash bulbs at all speeds to 1/1000 sec. Black X for electronic flash up to 1/125 sec. Shutter speed markings in corresponding colors.

11 Mirror Lock Catch

Press downward to place mirror in "up" position when absolute vibrationless operation is desired for scientific photography.

12 ASA Film Speed Ring

Accommodates film speeds from ASA 12 to 1600. Coupling range: EV3-EV17 at ASA 100 with f1.4 lens.

Camera Back

Hinged. Back opens when catch is pressed.

Tripod Socket

1/4" screw threaded.

Battery Chamber

Accommodates standard 1.3 V mercury battery.

VERSATILITY THROUGH INTERCHANGEABILITY



35mm f2.8



85mm f1.8



85mm-250mm f4 ZOOM

Universally accepted Nikkor lenses, unmatched in quality and performance, are accessible to the NIKKORMAT FT. Each provides the finest color rendition, resolution and detail. These unsurpassed lenses are available for every photographic purpose from snapshots to scientific, medical, industrial and architectural. The precision of manufacture and diversity of purpose are found only in the Nikkor system of lenses—the undisputed epitome of optics in 35 mm photography.

Normal Lenses

50 mm f1.4 Nikkor Auto. Critical sharpness, accurate color rendition with speed to handle almost any lighting condition. 50mm f2 Nikkor Auto. Ideal for general photography.

Wide Angle Lenses

Permits photography of extended scenes from close proximity. Convenient for instant candid work because its great depth-of-field and short focal length compensate for inexact focusing.

Telephoto Lenses

Telephoto or long focus lenses provide a means of obtaining close up images of distant subjects, and are also ideal for portrait work. In the telephoto group

are 500mm and 1000mm lens utilizing an ingenious mirror-lens system based on astronomical telescope principle.

Zoom Lenses

Provides variable focal lengths without lens interchange. One zoom lens does the work of many other lenses.

35mm f3.5 Micro-Nikkor Auto

The resolving power of this unusual lens is almost incredible. For general and, particularly, close-up photography. Has uninterrupted focusing range from infinity to 1 : 2 reproduction ratio. Extension Ring M further extends this to 1 : 1.

35mm f3.5 PC Nikkor

With this lens one avoids the problem of image convergence, normally produced when using a wideangle lens which is not parallel to the subject. Extremely useful for industrial and architectural photography.

200mm f5.6 Medical-Nikkor Auto

Excellent for surgical and dental subjects, also for industrial and general lab work. It features a macro and micro reproduction system from 1/15X to 3X in 11 steps through use of six lens attachments. Built-in viewing light and electronic ring flash.

NIKKOR LENSES COVER EVERY FACET OF PHOTOGRAPHY

LENS	PICTURE ANGLE	CLOSEST FOCUS	DIAPHRAGM CONTROL	TYPE
28mm f3.5	74°	24" (0.6 m)	Automatic+	Wideangle
35mm f2	62°	12" (0.3 m)	Automatic+	
35mm f2.8	62°	12" (0.3 m)	Automatic+	
50mm f2	46°	24" (0.6 m)	Automatic+	Normal
50mm f1.4	46°	24" (0.6 m)	Automatic+	
55mm f1.2	43°	24" (0.6 m)	Automatic+	
85mm f1.8	28°30'	3½' (1 m)	Automatic+	T e l e p h o t o
105mm f2.5	23°20'	4' (1.2 m)	Automatic+	
135mm f2.8	18°	5' (1.5 m)	Automatic+	
135mm f3.5	18°	5' (1.5 m)	Automatic+	
200mm f4.0	12°20'	10' (3 m)	Automatic+	
300mm f4.5	8°	13' (4 m)	Automatic+	
*400mm f4.5	6°	16' (5 m)	Automatic	
500mm f5.0	5°	50' (15 m)	Mirror Lens	
*600mm f5.6	4°	35' (11 m)	Automatic	
*800mm f8.0	3°	60' (18 m)	Automatic	
1000mm f6.3	2°30'	100' (30 m)	Mirror Lens	
1000mm f11	2°30'	25' (8 m)	Mirror Lens	
*1200mm f11	2°	130' (40 m)	Manual	
43mm to 86mm f3.5	53° to 28°30'	4' (1.2 m)	Automatic+	Z o o m
50mm to 300mm	46° to 8°10'	8.5' (2.5 m)	Automatic	
85mm to 250mm f4.0	28°30' to 10°	13' (4 m)	Automatic+	
200mm to 600mm f9.5	12°20' to 4°10'	13' (4 m)	Automatic	
35mm f3.5	62°	12" (0.3 m)	Preset	
55mm f3.5	43°	9" (0.24 m)	Automatic+	PC
200mm f5.6	12°20'		Automatic	Micro
				Medical

+ Provided with meter coupling-prong

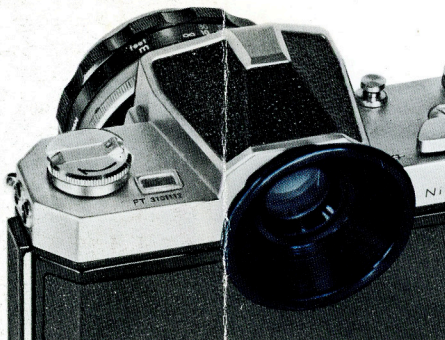
* Requires Focusing Unit for use with NIKKORMAT FT



ADDITIONAL CONVENIENCES WITH USEFUL ACCESSORIES



ANGLE FINDER



EYE CUP



ACCESSORY SHOE

The status of NIKKORMAT FT is further enhanced by a diversified number of accessories. It is noteworthy that all accessories used with the NIKKORMAT FT are also usable with the Nikon F. This in itself is an assurance to the user that his investment in accessories is protected when he purchases a Nikon F.

Angle Finder

Attaches to rear of the viewfinder housing after removing eyepiece frame. Convenient for low-angle work, close-ups, photomicrography, etc.

Rubber Eye Cup

Permits photographers to focus and compose fast and easily. Can be used individually or together with Eyepiece Correction Lenses.

Eyepiece Correction Lens

For photographers who wish to focus without glasses, correction lenses are available in combined diopters of -5, -4, -3, -2, 0, +1, +2, and +3. Eyepiece rated at -1 diopter. Fits in place of eyepiece frame.

Hard Leather Case

Smartly styled top quality, brown cowhide for the camera with normal lens. Shoulder strap with non-slip

cushion pad.

Semi-Hard Leather Case

Black, for camera with normal lens. Shoulder strap with non-slip cushion pad.

Flash Unit BC6

Powerful, miniature unit. Automatic changeover socket for using AG-1 or pinless bulbs. Devices for checking bulb, charge and circuit. 8" (20 cm) cord connection. Uses 1.5 volt battery.

Accessory Shoe

Fits between viewfinder housing and eyepiece frame to mount flash or extra finder.

Nikon Filters

For black and white film: UV haze. Yellow: light, medium, dark. Orange. Red. Green: yellowish, light, dark. Neutral Density: 4X, 8X, 10X, 400X. For color film: Amber, light and dark. Blue: light, medium, dark. Skylight. Polarizing filter also available.

Lens Hoods

Snap-on, screw-in, slip-on and built-in hoods. Hoods for Nikkor telephoto lenses are supplied as standard equipment.

CLOSE-UP AND REPRODUCTION EQUIPMENT

Bellows Focusing Attachment

Provides continuous extension of the lens-to-film distance for close-up and macrophotography. With 135mm f4 Nikkor (short mount) exclusively for use with Bellows, produces continuous reproduction from infinity to life size.

Slide Copying Adapter

Used with Bellows, facilitates duplicating and copying of 35 mm film. Copies either 2×2 slide mount or film strips.

Close-up Attachments Lenses

Simply attach to the front of Nikkor lenses. Choice of Nos. 0, 1, and 2. Use singly or in combination.

Extension Ring Set K

Consists of five rings which fit individually or in combination between lens and camera body. Combinations of rings provide various reproductions.

Extension Ring E2

Fits between lens and camera body. Permits close-up of subject too close for shooting with Close-up Attachment.

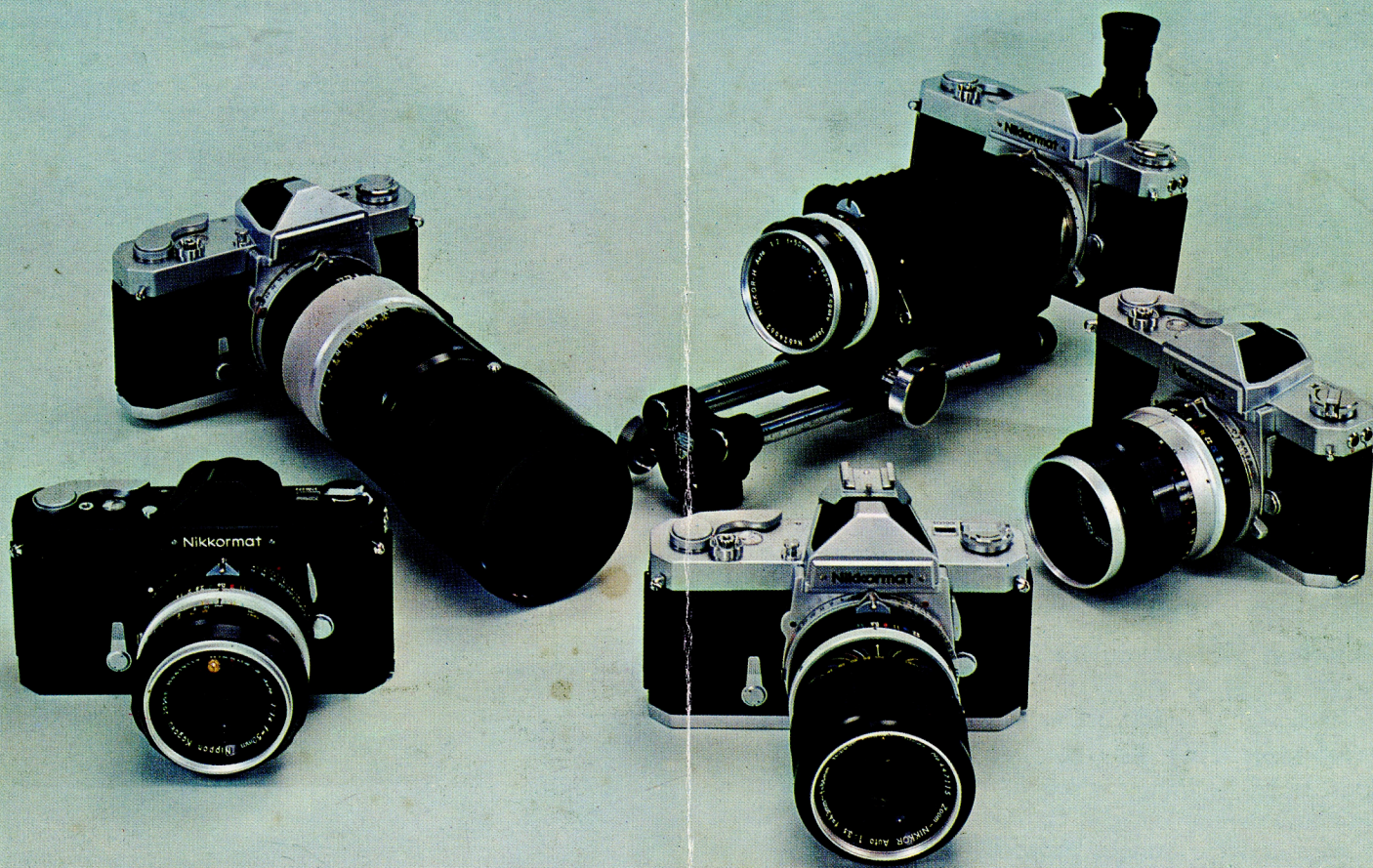
Microflex FMF

Designed for high precision photomicrography with Nikon microscopes.

Repro-Copy Outfit Model PF

A versatile outfit for photographing flat copies and small objects. Its fitted carrying case serves as copy table. Provision for rotary camera mount.





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