

For a New Dimension in Professional Photography



TOPCON
SUPER ID M

TOPCON SUPER SINGLE LENS TODAY'S

The TOPCON Super DM, like its famous predecessors, is one of the most advanced and versatile single lens reflex cameras designed for professional use today.

Like the very first LORD camera that was developed by TOPCON, more than 35 years ago, when hardly any cameras were being manufactured in this country, TOPCON has always been in the forefront of technical developments in this field.

Besides the famous TOPCON Thru-The-Lens Mirror-Meter System, which was introduced in 1962, as an integral part of

the camera, for speedily setting correct exposures without loss of fast handling ability or built-in single lens reflex versatility, the Super DM also has one of the world's most advanced film winding and shutter charging systems, or the TOPCON Auto Winder, which was first introduced in 1972.

The Auto Winder is also an integral part of the camera, the same as the Thru-The-Lens Mirror-Meter System, but, at the same time, it is completely detachable and, therefore, lets you retain the full versatility of the Super DM system.



DM—THE FUTURE REFLEX FOR PROFESSIONAL



Motorized Auto-Winding is the modern way of taking pictures, without adding much in bulk and weight to the camera, or even changing your method of operation. You're always ready for the decisive moment with the Super DM because the Auto Winder takes care of everything and prepares you for the next shot, 1/2 second after lifting your finger from the shutter release button of the camera.

The most important asset of the Auto Winder is the way that you can keep your eye glued to the finder eyepiece all the time, even during film winding opera-

tions. In manual winding, you have to shift your eye, ever so slightly, which means that you have to go back to finding the subject once more when the film has been advanced, which is no way for a professional to work, especially with a fast-moving subject. Use the Super DM, with its Auto Winder, and you can keep track of the subject all the time and not lose a decisive moment.

With or without the Auto Winder, the Super DM is a real "system" camera, with a wonderful System of Photography built around it.



TOPCON

SUPER DM

TOPCOR M 1:1.4 f=50mm
TOKYO KOGAKU
LENS MADE IN JAPAN

TOPCON
AUTO WINDER

TOPCON AUTO-WINDING

FOR A NEW DIMENSION IN PROFESSIONAL PHOTOGRAPHY

Auto-Winding— For Fast, Easy and Steady Operations

Only 1/2 second after lifting your finger from the shutter release button, you're ready for the next shot, because the TOPCON Auto Winder takes care of everything automatically. The moment you lift your finger from the button, after taking the picture, the Auto Winder takes over and automatically advances the film by one frame, moves exposure counter forward one frame and charges shutter and mirror raising mechanism, too. You don't have to do a thing, but keep your eye fixed to the finder eyepiece, following the subject, and in only 1/2 second time you're ready for the next shot.

In other words, motorized Auto-Winding makes thing easier, faster and steadier. One of its biggest attraction is the way that you can keep your eye glued to the finder eyepiece, following every movement of the subject. This means that you're always ready for the decisive moment and can't lose a precious picture. You just don't have to look around for the subject, which one can often lose while taking your eye away from the eyepiece when you manually stroke the film winding lever. And, you get this modern way of taking pictures without adding much in bulk and weight, or operations.

The TOPCON Auto Winder

The Auto Winder adds only 25mm to the overall height of the camera and only 350 grams, including four AA types batteries. Another 25mm is added to the right hand side where the micromotor chamber protrudes very conveniently for ideal single-hand gripping of the camera. In other words, it's compact, lightweight and very economical, as well as facilitating hand-held operations.

Pull the battery compartment away from the baseplate of the Auto Winder and the rewind button, back cover lock and tripod socket are exposed to view, which means that the TOPCON Auto Winder can be kept attached to the camera body at all times, without inconveniencing operations.

The Auto Winder is easily detached or attached, with a single attachment screw securely fixing it to the base of the camera body. The driving claw engages the motor drive shaft of the camera body upon attachment and non-cord electrical contact is made immediately between the two, in the case of the Super DM, so that you can use the shutter release button of the camera for further operations.

The shutter button is simply depressed for taking pictures and the finger lifted for auto-winding. A red pilot lamp lights up during auto-winding operations, warning you against depressing the shutter button but if you accidentally do so, there's an auxiliary drive switch to clear the jam.

Four AA size batteries are used in the Auto Winder, with fresh manganese dry batteries providing enough power to take, at least, ten rolls of 36 exposures or 18 rolls of 20 exposures.

When the Auto Winder is detached from the camera body, the Super DM can be used manually, like any ordinary single lens reflex camera.

MIRROR-METERING

FOR EXPOSURE-PERFECT PROFESSIONAL QUALITY PICTURES

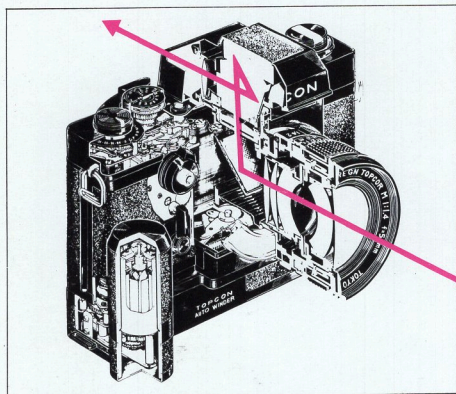
Strategically Located Thru-The-Lens Mirror-Meter

The Mirror-Meter, or TOPCON's meter behind the reflex mirror, is located behind the lens mount and, therefore, the lens, before the film plane and below the focusing screen and finder, in the only ideal location throughout the single lens reflex camera for accurately measuring the incoming light reflected back from the subject.

Its strategic location means that the Mirror-Meter intercepts the reflected light from the subject, as it comes through the lens, before it is affected by reflections and/or passage through other glasses (such as focusing screen and finder). Because of its distance from the finder eyepiece, and, in combination with the patented full aperture exposure reading system, it is also the location least affected by extraneous eyepiece light.

It is also the only location which lets you change focusing screens and finders without affecting the exposure reading. Using non-standard focusing screens, with clear plain glass or coarser ground glass, has absolutely no affect on the reading, because the light used for exposure measurements does not go through these glass parts, as would be the case with CdS photocells in the finder housing.

Finally, exposure measurements are very accurate because it's the exact light that is used for taking the picture, when the reflex mirror swings up, out of the optical path.



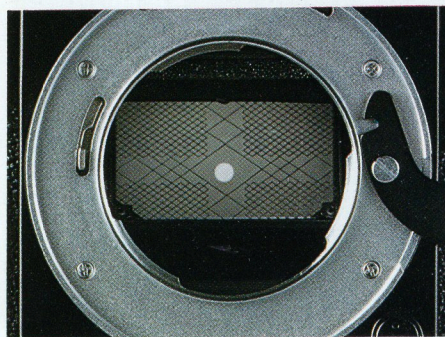
Unique Mirror-Meter - For Integrated Measurements Based on the Actual Lens-Lite

The TOPCON Mirror-Meter is actually a reflex mirror with an exposure meter layer attached behind it, as an integral part of the mirror. The mirror surface has a pattern of very narrow non-silvered slits which let the light hitting the mirror surface pass through to the compound CdS cells in the rear layer.

Thus, the Mirror-Meter measures the true Lens-Lite, as it enters the camera body, no matter what the lens, or whether the lens is covered by filters or attachment lenses, or even if the lens is extended with bellows or extension tubes, or even without the lens, as when the body is attached directly to the microscope.

The Mirror-Meter slit pattern has been specially designed to give an ideal coverage of the field seen in the finder, for providing speedy and accurate integrated exposure measurements of the full finder area. At the same time, since the slits are only 0.05mm or 0.002 in. in width, they neither obstruct the focusing screen view nor make view-focusing difficult. Furthermore, only 7 percent of the light hitting the mirror surface is let through to the CdS cell layer and, therefore, the screen is not darkened at all, even in low-light situations.

The patented compound CdS cells of the Mirror-Meter have also been designed to cover both high and low sensitivity ranges automatically, without any switching.



Patented Mirror-Meter System has Great Versatility

Electricity consumption of the patented Mirror-Meter circuit is very small, or only

0.1 milliampere per hour, which means that it will take, at least, 90 days to completely drain its battery. However, it's simply not possible to drain the battery so quickly because simply covering the lens has the same effect as switching off the meter.

In actual practice, the battery should last, at least, one full year, so make it a practice to exchange it annually.

Full aperture exposure measurement was also introduced by TOPCON in 1962 and this patented system is still one of the best in the world, being the key to speedy through-the-lens exposure measurements with the Super DM. In other words, you don't have to close down the lens diaphragm for taking a reading and, consequently, darken the finder, which could make it difficult to view-focus. You simply take the measurement at the maximum lens opening and enjoy a very bright finder view which is ideal for view-focusing and exposure measurements.

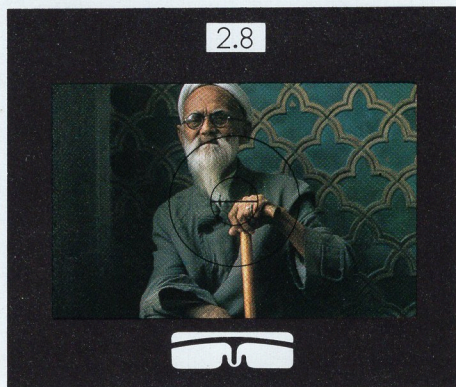


Quick lens exchanges are possible with the Super DM because a special automatic lens speed compensation system takes care of any difference in lens speeds. You don't have to manually adjust the camera's coupling system for differences in lens speeds which is not only time-consuming but can be forgotten, in the rush of exchanging lenses. In other words, the Super DM takes care of these differences even if you forget about them. Furthermore, the Mirror-Meter is cross-coupled to both lens diaphragm and shutter and, therefore, exposure setting can be made by adjusting either aperture ring or shutter speed dial, or both. In other words, it's shutter-priority or aperture-priority, depending on how you want to use it.

VERSATILE FINDER SYSTEM

DESIGNED FOR PROFESSIONAL USES

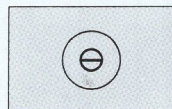
Centralized Controls in Finder for the speediest shooting



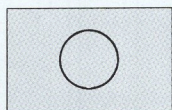
The standard finder of the Super DM is the CC (control center) Pentaprism finder which hangs over the lens mount in the front end and gives you a direct view of the actual aperture setting, shown over the finder area, and the match-point indicator, below the finder area, where they don't get in the way of view-focusing. Shutter-priority full aperture light-metering means that you only have to adjust the aperture ring to set the correct exposure and exposure measurements are fast and simple because the exposure indicator swings swiftly and evenly (not short, jerky sweeps in bright light and slow, large movements in low light), as well as moving in the same direction as the aperture ring adjustment. And the actual aperture setting is promptly seen above the finder area, as the aperture ring itself is being viewed all the time. Full aperture view-focusing means that you don't have to stop down the lens diaphragm and thus lose precious seconds or view-focus with a darkened finder field, which can slow you down, too.

Focusing Screens to Match your Choice of Lens and Type of Work

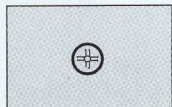
Besides the standard No. 1 focusing screen (which is usually supplied with the Super DM), there are eight other focusing screens which can be used interchangeably, for matching the lens being used, or for specific picture-taking situations or because of personal preferences.



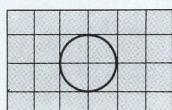
No. 1 The standard screen has a split-image rangefinder spot, fine focus ring and full-area groundglass plus fresnel lens.



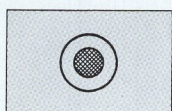
No. 2 The fine focus spot is surrounded by full-area groundglass plus fresnel lens.



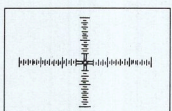
No. 3 Clear spot with double cross-hairs is surrounded by full-area groundglass



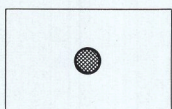
No. 4 Fine focus spot with full-area groundglass plus fresnel lens, also has checker-board pattern of lines.



No. 5 Microprism focusing spot and fine focus ring is surrounded by full-area groundglass plus fresnel lens. For lens openings larger than f/5.6. The No. 5-A screen is for use with the f/5.6 lens opening.



No. 6 Clear glass screen has bisecting scales of 0.5mm divisions and central double cross hairs.



No. 7 Microprism focusing spot on clear glass screen plus fresnel lens; for use with standard lens. The No. 7-A screen is available for use with telephoto lenses.

The No.1, No.2 and No.5 focusing screens are, in principle, recommended for general use, but the first is not suitable for long focal length lenses, small lens openings and macrophotography, which is more in the line of the No. 2 screen. The No. 5 is used for lens openings larger than f/5.6 while the No. 5-A is used for the f/5.6 lens opening. Nos. 3 and 6 are generally suitable for use with the high magnification waist-level finder and/or magnifier and for photomicrography, with the former also valuable for astrophotography and long telephoto lenses. The aerial image is focused with both these screens. The No. 4 screen is used when correct subject placement or alignment of lines is important, such as in copying work, architectural photography, etc. The No. 7 and 7-A screens are for low-light situations and generally adverse lighting conditions.

Simple, Speedy Exchanging of Finders and Screens

All professional class single lens reflexes ideally must permit full exchange of finders and focusing screens because this feature is one of its strongest forte. And such exchanges should be simple and easy, without requiring any special tools or experience, which is the way it is with the Super DM.

Simple depress the finder catch and push the finder out towards the back cover side, which will detach it. Next, pull up the focusing screen, by lifting the catch extending rearwards from the focusing screen frame and it will also become detached. Attachment of focusing screen and finder is in the reverse order of the above and just as simple without any special care being required.

Finders to Match your Work

Two types of waist-level finders are available for exchange with the standard CC Pentaprism finder.

The standard waist-level finder is a low magnification finder which shows the full screen area at life-size, with the magnifier in place, and with the standard lens.

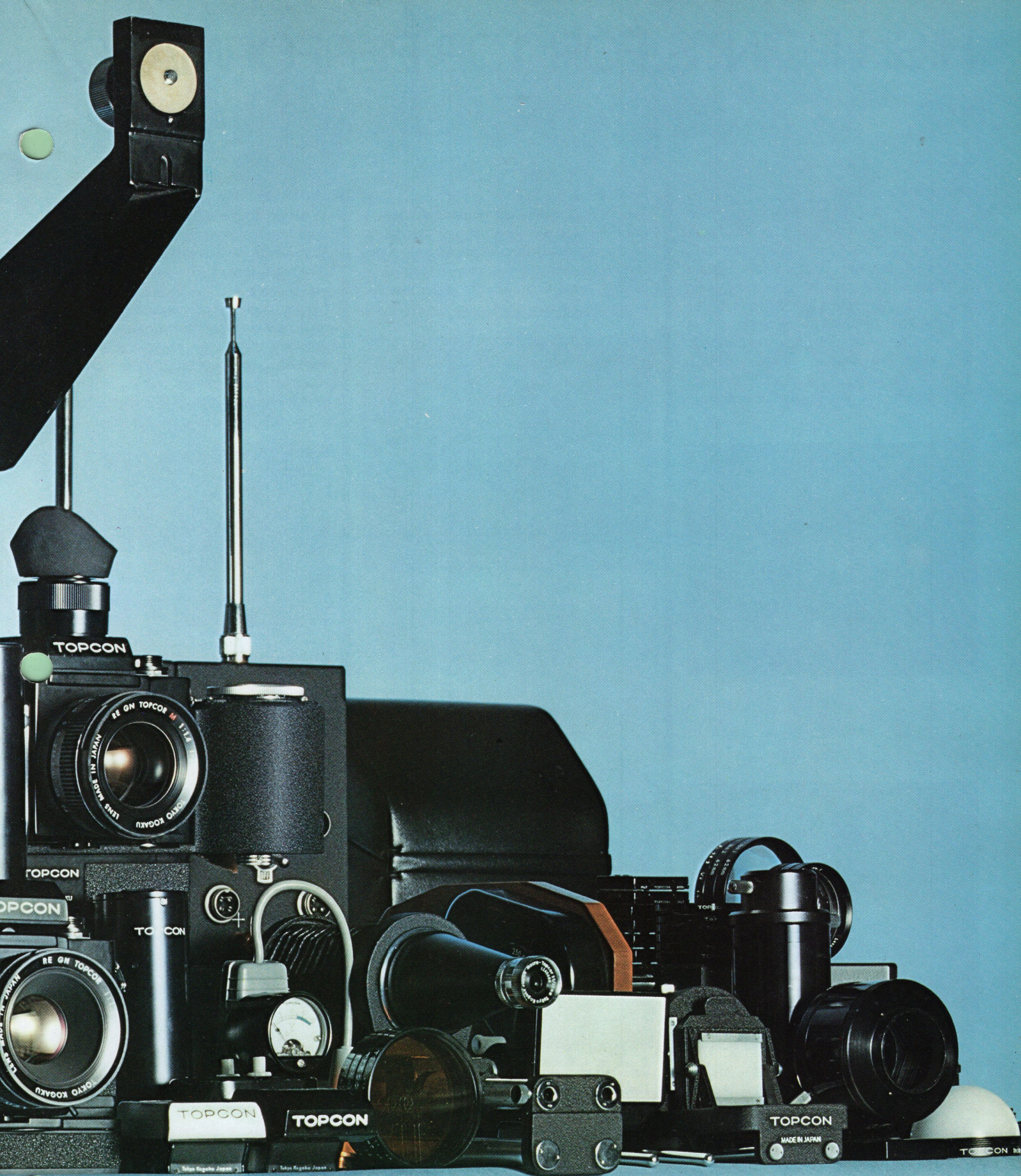
The high magnification waist-level finder, on the other hand, enlarges the full focusing area 6.5x and has an adjustable eyepiece ring for increasing focusing accuracy.

The accessory magnifier can be used with the latter finder for even greater precision in focusing, as the central finder area is enlarged 16x, in this case.

Waist-level finders are generally valuable for use in close-ups, macrophotography, reproduction work, photomicrography and for shots at a low or unusual angle.



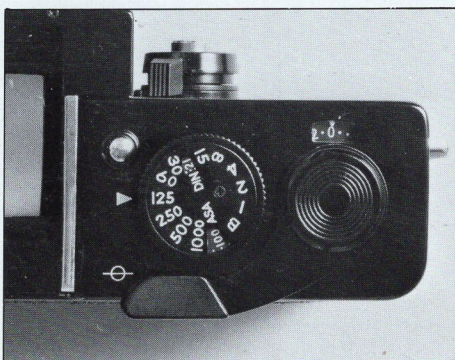
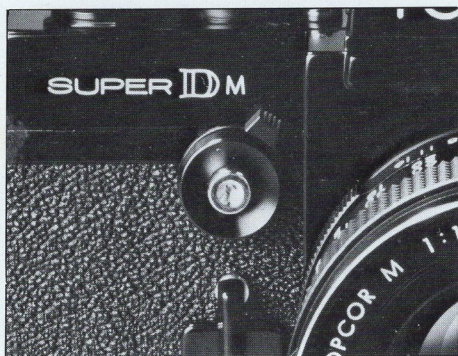




HIGH POINTS FOR TOP PERFORMANCE

Shutter Release Lock

Turning the shutter release locking lever in the counter-clockwise direction locks the shutter release button and prevents accidental releases. The shutter release lock can also be used for time exposures, with the shutter speed dial set to B (bulb) and the lever revolved at the same time as the shutter button is depressed, which will keep the shutter locked "open". Turning the lever in the clockwise direction will unlock the shutter release button.



Shutter Speed Dial

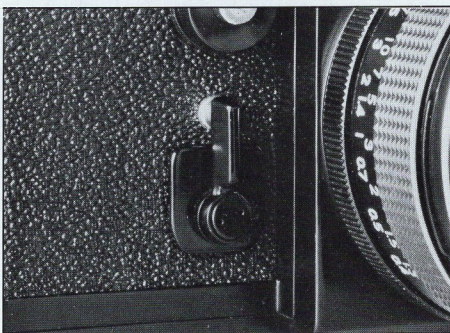
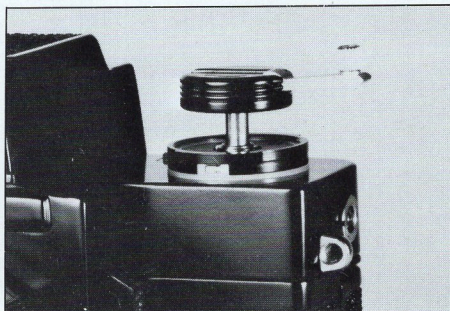
Has eleven speed settings 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500 and 1/1000 second, plus B (bulb). Electronic flash units can be synched at 1/60 second and slower shutter speed settings.

Film Speed Indicator

Has twin windows on shutter speed dial face for simultaneously showing ASA and DIN film speeds, with the former from ASA 25 to 1600 and the latter from DIN 15 to 33.

Rewinding

The rewind crank, on the rewind knob, is unfolded for use in effort-less rewinding of the exposed film, after depressing the rewind button on the camera base. The rewind knob floats up for easier rewinding operations.



Self-Timer

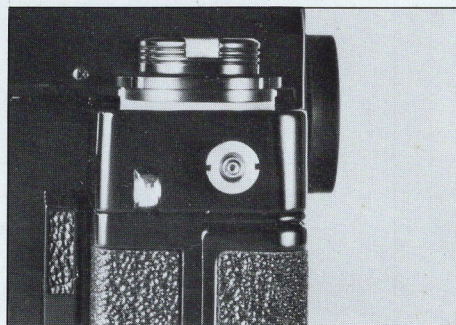
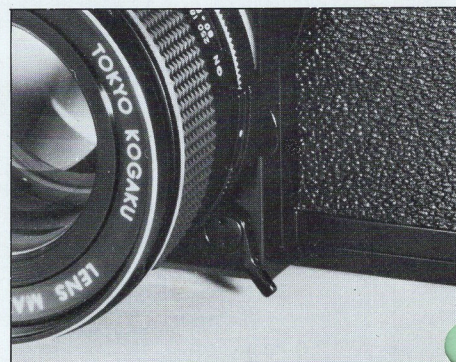
Revolving the self-timer lever 180° downwards charges the self-timer. Pressing the self-timer button activates the self-timer and after a 10 second delay releases the shutter. The self-timer can be set for delays from 5 to 10 seconds, by setting the self-timer lever at intermediate positions.

The self-timer is easily bypassed by depressing the shutter release button in the usual manner.

Mirror Lock-Up

Rotating the mirror lock-up lever in the counter-clockwise direction locks the reflex mirror "up"; rotating in the opposite direction lowers the mirror to normal viewing position.

Mirror lock-up is recommended when camera vibrations must be reduced to the absolute minimum, as, for example, for shooting consecutive frames with the electric motor drive, for shooting with extra-long telephotos, for shooting ultra close-ups, or in photomicrography.

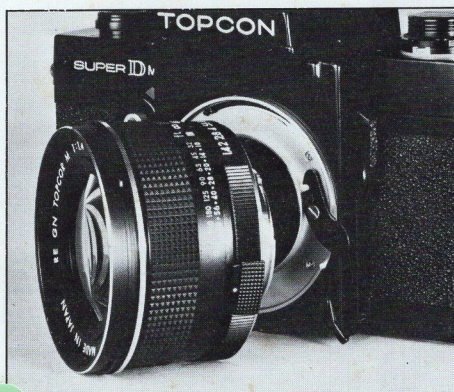


Flash Socket

A single flash socket is available on the left-hand side of the camera body and used for connection of the flash cord from all flash units, as well as electronic flash units.

Depth of Field Previewing

The push-release depth of field lever stops down the lens diaphragm to the preselected aperture and lets you preview the actual depth of field on the true ground-glass standard focusing screen. Releasing pressure on the lever will let the aperture open up once more. This professional feature is TOPCON-originated and found only on professional class cameras.

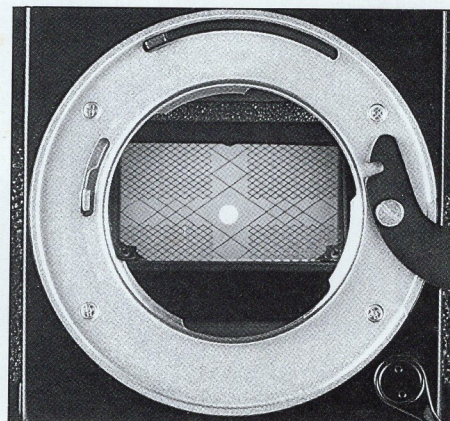
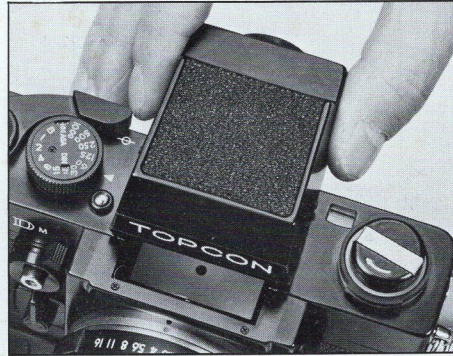


TOPCON Bayonet Mount

The precision TOPCON bayonet mount, similar to the Exakta type bayonet mount, lets you make lens exchanges speedily, simply and positively.

Exchanging Finders

Finders are exchanged by simply pressing the finder catch button, between finder and shutter speed dial, and pushing the finder out towards the back cover side. Finders are attached by simply gliding them in until they click into place.

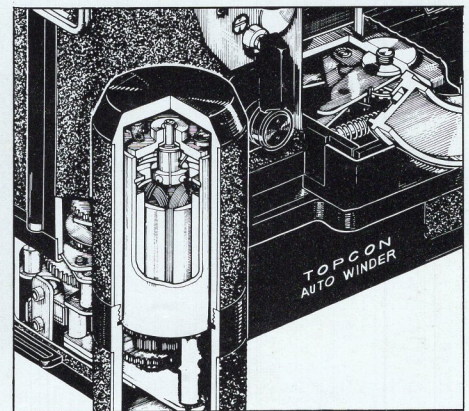
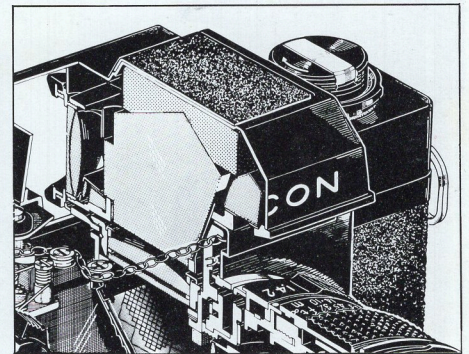


Mirror-Meter

The CdS exposure meter system is built into the layer behind the reflex mirror, with 0.05mm (0.002 in.) unsilvered slits in the mirror surface letting 7 percent of the light hitting the mirror surface pass through to the meter, without darkening or obstructing the focusing screen. The slit pattern is designed to give an ideal average reading for the full subject area seen in the focusing screen.

CC Pentaprism Finder

The standard CC (control center) Pentaprism finder overhangs the lens mount and shows a direct view of the aperture setting to be used for taking the picture, as well as the exposure indicator and index for exposure measurement. Since the actual aperture setting on the ring is viewed, all changes made in the setting are directly viewed in the finder, thus facilitating quick changes in the aperture setting for the shutter-priority exposure system.

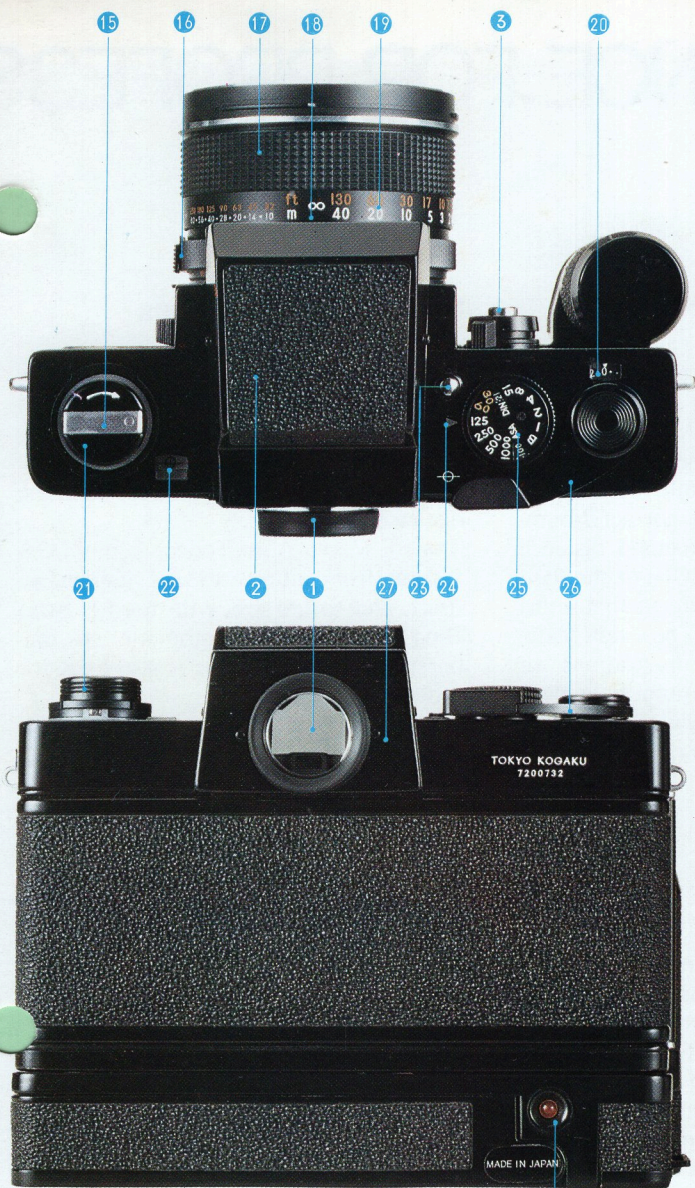


Micromotor Chamber

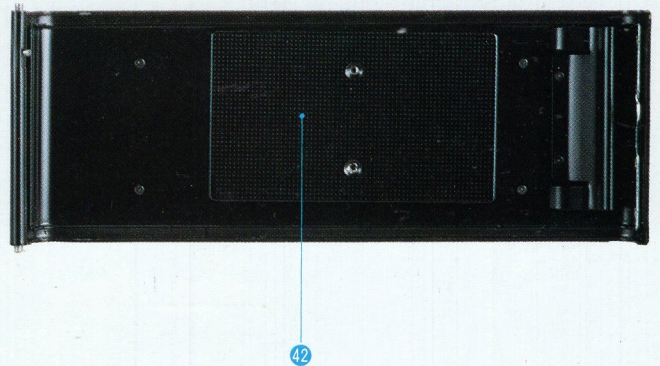
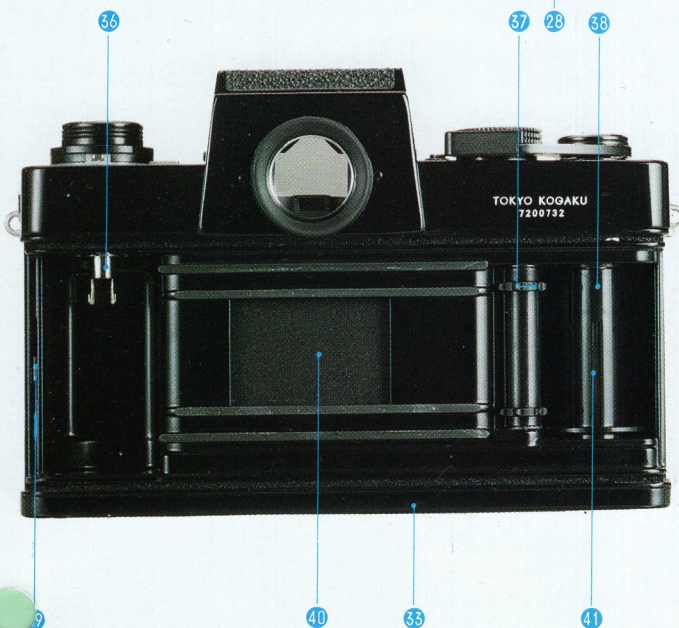
The micromotor chamber protruding on the right-hand side of the camera body contains the motor drive mechanism of the Auto Winder and also serves as a convenient hand grip for right-hand support of the camera. Attachment of the Auto Winder to the camera body automatically couples the micromotor to the shutter release button on the camera body so that simply depressing the shutter button activates the Auto Winder.

PARTS OF THE TOPCON SUPER DM





- | | |
|--|--|
| 1 Finder eyepiece | 21 Rewind crank |
| 2 CC (control center) Pentaprism finder | 22 Exposure indicator window |
| 3 Shutter release button | 23 Finder catch |
| 4 Hand strap lug / hook | 24 Shutter speed index |
| 5 Battery compartment | 25 Film speed indicator windows |
| 6 Shutter release lock | 26 Film winding lever |
| 7 Lens locking lever | 27 Accessory alignment pin |
| 8 Depth of field preview lever | 28 Red lamp |
| 9 Flash coupler bayonet mount | 29 Auxiliary drive switch |
| 10 Self timer release button | 30 Tripod socket |
| 11 Self timer | 31 Back cover lock |
| 12 Mirror lock-up lever | 32 Rewind button |
| 13 Auto Winder | 33 Auto Winder baseplate |
| 14 Flash socket | 34 Battery control switch (exposure-meter) |
| 15 Rewind knob | 35 Attachment screw |
| 16 Aperture ring | 36 Film cartridge shaft |
| 17 Distance focusing ring | 37 Film transport sprocket |
| 18 Lens locking lever | 38 Film take-up spool |
| 19 GN(guide number) scale / distance scale | 39 Camera back catch |
| 20 Exposure counter | 40 Focal plane shutter curtain |
| | 41 Multi-slotted film take-up spool |
| | 42 Film pressure plate |



OPTICAL PERFORMANCE FOR PROFESSI

TOPCON Interchangeable Lenses

The brand TOPCOR has always been synonymous with the finest in optical quality, based on a TOPCON tradition of "superior lenses for superior cameras".

TOPCOR lenses have been carefully designed to fully complement the camera and have been factory-tested to meet our high standards of optical performance.

The top quality TOPCOR lens group include 16 general purpose lenses, from super wide-angle 20mm to telephoto 500mm, including a zoom lens, plus four special macro lenses. Besides some of the world's fastest optics, such as 85mm f/1.8 and 300mm f/2.8, the wide-angle optics have been designed for use without mirror lock-up and are thus convenient for fast shooting action, while medium range telephotos are short-barreled, lightweight and well-balanced for hand-held shooting. Furthermore, most of the lenses have been designed for using a 49mm filter screw mount, for keeping equipment investment at a minimum, whenever possible.

Multi-layer Anti-reflection Lens Coating

Lenses with the "M" suffix are multi-layer anti-reflection coated for improved light transmission, elimination of flare and ghost images and superior color balance, as well as reducing light reflection at the lens surface. Consequently, sharper, clearer photographs, with excellent color reproduction quality, are yours with these lenses.

Flash-Matic GN Lenses

Lenses with the "GN" prefix, such as the two new standard lenses specially developed for the Super DM, or RE GN Topcor 50mm f/1.4 and 50mm f/1.8 optics, have a Flash-Matic system for automatically setting the correct f/number to the lens for the focused distance when the guide number (GN) of the flash bulb or electronic flash unit is first set to the lens and locked in. The Flash-Matic system eliminates the frustrations of calculating the correct f/number in flash photography, as well as giving accurately exposed flash-illuminated photographs all the time.

Automatic Lens Diaphragm Action

All lenses with "Auto" included in their lens designations, such as the RE Auto Topcor, RE Zoom Auto Topcor, RE Zoom Auto Topcor and RE Macro Auto Topcor, as well as the two RE GN Topcor optics, have fully automatic instant opening lens diaphragm action and are automatically and mechanically coupled to the Mirror-Meter, upon attachment, with the Mirror-Meter automatically compensating for the speed of the lens. These lenses permit full aperture view-focusing and exposure measurements, either shutter-priority or aperture-priority, as you like, and thus don't limit your shooting style.

Lenses designated R Topcor have preset lens diaphragm action and are optically coupled to the Mirror-Meter, upon attachment, with exposure set by simply adjusting the aperture ring.

Special Macro Lenses

Four lenses with "Macro" in their lens designation, or the RE Macro Auto Topcor and Macro Topcor lenses, have been specially designed for giving optimum lens performance at close focusing distances.

The RE Macro Auto Topcor 58mm f/3.5 focuses from infinity to half life-size, by itself, and to life-size, with the RE Auto Ring, which extends automatic lens diaphragm action. The lens is also ideal for general photography.

The Macro Topcor lens trio, or 58mm f/3.5, 30mm f/3.5 and 135mm f/4, are short mount lenses with preset lens diaphragm action. When used with a special focusing extension tube and a double cable release, semi-automatic lens diaphragm action is possible. The very distinctive 30mm f/3.5 lens has a screw mount similar to the standard microscope objective and can even be used on the microscope focusing tube, or via two types of adapter mounts with bellows, for macrophotography from 2x to 10x.

ONAL QUALITY PICTURES

TABLE OF TOPCOR LENSES

| Lens | Number of Elements | Angle of Field | Diaphragm Control | F Number | Exposure Measurement | Closest Distance | Lens Hood Mount | Filter Mount | Net Weight |
|--|--------------------|----------------|-------------------|----------|----------------------|--|-----------------|-----------------|------------|
| RE Auto-Topcor 20mm F/4 | 8 | 94° | Automatic | 4~22 | Full-Aperture | 1ft (0.3m) | Clamp Mount | Special Bayonet | 215g |
| RE Auto-Topcor 25mm F/3.5 | 7 | 82° | Automatic | 3.5~22 | Full-Aperture | 6.5in(0.16m) | Clamp Mount | Rear Bayonet | 300g |
| RE Auto-Topcor 28mm F/2.8 | 7 | 75° | Automatic | 2.8~22 | Full-Aperture | 1ft (0.3m) | Bayonet | 49mm | 240g |
| RE Auto-Topcor 35mm F/2.8 | 7 | 63° | Automatic | 2.8~22 | Full-Aperture | 9in (0.23m) | Bayonet | 49mm | 230g |
| RE GN Topcor M 50mm F/1.4 With Flash-Matic Guide Number; Multi-Coated | 7 | 47° | Automatic | 1.4~16 | Full-Aperture | 16in (0.4m) | Bayonet | 62mm | 340g |
| RE GN Topcor 50mm F/1.8 With Flash-Matic Guide Number | 6 | 47° | Automatic | 1.8~22 | Full-Aperture | 16in (0.4m) | Bayonet | 62mm | 280g |
| RE Auto-Topcor 58mm F/1.4 | 7 | 41° | Automatic | 1.4~16 | Full-Aperture | 18in (0.45m) | Bayonet | 62mm | 340g |
| RE Auto-Topcor 58mm F/1.8 | 6 | 41° | Automatic | 1.8~22 | Full-Aperture | 18in (0.45m) | Bayonet | 49mm | 220g |
| RE Auto-Topcor 85mm F/1.8 | 6 | 28°30' | Automatic | 1.8~22 | Full-Aperture | 3ft (0.9m) | Bayonet | 62mm | 480g |
| RE Auto-Topcor 100mm F/2.8 | 5 | 24° | Automatic | 2.8~22 | Full-Aperture | 4ft (1.2m) | Bayonet | 49mm | 265g |
| RE Auto-Topcor 135mm F/3.5 | 4 | 18° | Automatic | 3.5~22 | Full-Aperture | 5ft (1.5m) | Telescoping | 49mm | 390g |
| RE Auto-Topcor 200mm F/5.6 | 5 | 12°30' | Automatic | 5.6~22 | Full-Aperture | 10ft (3m) | Telescoping | 49mm | 440g |
| RE Auto-Topcor 300mm F/5.6 | 4 | 8° | Automatic | 5.6~22 | Full-Aperture | 15ft (4.5m) | Telescoping | 62mm | 750g |
| RE Auto-Topcor 500mm F/5.6 | 5 | 5° | Automatic | 5.6~22 | Full-Aperture | 20ft (8m) | Telescoping | Push-in | 2,100g |
| R Topcor 300mm F/2.8 | 5 | 8° | Pre-set | 2.8~22 | Stop-Down | 15ft (4.5m) | Telescoping | Push-in | 3,300g |
| Macro Topcor 30mm F/3.5 | 6 | 20°30' at 3x | Pre-set | 3.5~16 | Stop-Down | (○ 2x~3x) (● 2x~7x) | — | 22.5mm | 52g |
| Macro Topcor 58mm F/3.5 | 5 | 41° | Semi-Auto-matic | 3.5~22 | Stop-Down | (○ 1/8~0.5x) (● 1/8~2.5x) | — | 49mm | 140g |
| RE Macro Auto-Topcor 58mm F/3.5 | 5 | 41° | Automatic | 3.5~22 | Full-Aperture | (○ 1/8~0.5x) (△ 0.5x~1x) (▲ 1x~3.6x) | Bayonet | 49mm | 250g |
| Macro Topcor 135mm F/4 | 3 | 18° | Semi-Auto-matic | 4~32 | Stop-Down | (○ 1/8~0.2x) (● 1/8~1.1x) | Bayonet | 49mm | 260g |
| RE Zoom Auto-Topcor 87-205mm F/4.7 | 13 | 12°28' | Automatic | 4.7~22 | Full-Aperture | 9ft (2.5m) | Telescoping | 58mm | 750g |

* Use together with Focusing Extention Tube or Bellows Attachment Model IV

○ Scale of reproduction: With Focusing Extention Tube ● Scale of reproduction: With Bellow IV

△ Scale of reproduction: With RE Auto-Ring ▲ Scale of reproduction: With Bellows IV, Reverse-Adapter Ring and Automatic Diaphragm Tube

FULLY MOTORIZED OPERATIONS



Up to 250 Exposure, in one continuous shooting session

Simply detach the Auto Winder and attach the Electric Motor Drive Attachment, in its place, and the Super DM becomes a fully motorized camera, for taking up to 3 frames per second in continuous sequences, with the shutter either released directly on the camera or by remote control. Or replace the regular camera back with the Bulk Film Magazine and you can take up to 250 exposures at one loading. Wired remote control operations, up to a maximum 200 meters, or wireless remote control operations, at distances up to 1000 meters in open flat terrain, are possible, with Hand Controller, for the former, and Wireless Transmitter and Receiver, for the latter. Power source can be either rechargeable ni-cad battery pack, dry batteries or A.C. current, with Adapter.

There are no special motor drive Super DM models and Electric Motor Drives can be attached to any standard Super DM body, without requiring special modifications or alterations. In fact, all Super DM bodies have been specially constructed to withstand the non-stop operations possible with these attachments.

TOPCON SUPER DM— THE SYSTEM CAMERA

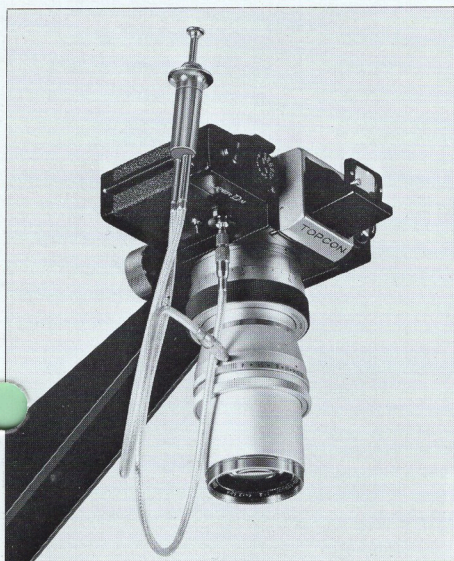
Built-in Versatility Makes the System Camera

The Super DM has so much built-in versatility and such an extensive range of top quality accessories that they must be used to really appreciate the extent to which our engineers have gone to provide you with a real "System" camera.

It's one of those real rare birds, which comes apart so extensively that you can make real changes in the camera system. The finder is exchangeable, the focusing screen is exchangeable, the camera back is detachable, equipment can be added below the base and lenses and accessories can be exchanged and/or added up front, which means that you can make your own set-up for the type of work you are interested in.

Born with a Complete System of Photography

Besides a full range of valuable, top quality TOPCOR lenses, in the most-used focal lengths, the Super DM has been born with a complete system of photography, which is so extensive and versatile that you will never be able to outgrow it. Versatile TOPCON accessories are available for various fields of photography — or, close-ups, macrophotography, photomicrography, slide-copying, reproduction and motorized operations, as well as accessories designed to improve your work in these various fields.



Versatile Accessories Designed for the Demanding Specialist

For macrophotography, there's the wonderful Model IV Bellows, which is really "tops" in this field, with 29mm to 182mm extension of the lens-to-camera distance, for 0.5x to 3x magnifications with the standard lens. Besides the large bellow extension, however, the focusing rails can also be used independently for positioning the camera on the tripod or copying stand.

And, when shooting small flat objects, in the vertical mode, a special macro-stand attachment can be used on the front of the Model IV Bellows for providing a very



stable, vibration-free platform with a standard reflectance surface for more accurate exposure measurements.

For greater accuracy in focusing, there's the high magnification waist-level finder, with or without magnifier, and rubber eyecup. For greater convenience, there's a double cable release which can be used with the automatic extension tube for semi-automatic diaphragm action. And, of course, there's a reverse-adapter ring for reversing the lens in larger-than-life-size reproduction.

Or, there's the 30mm f/3.5 Macro-Topcor lens which can also be used with the Model IV Bellows for macrophotography from 2x to 10x, via a conical-shaped adapter or a flat adapter.

And, as for photomicrography, the Micro-



scope Bellow Attachment has been specially developed for high magnification photography with the microscope and is a special non-rigid bellows for connection of the camera body and microscope tube, without transmitting vibrations from one to the other.

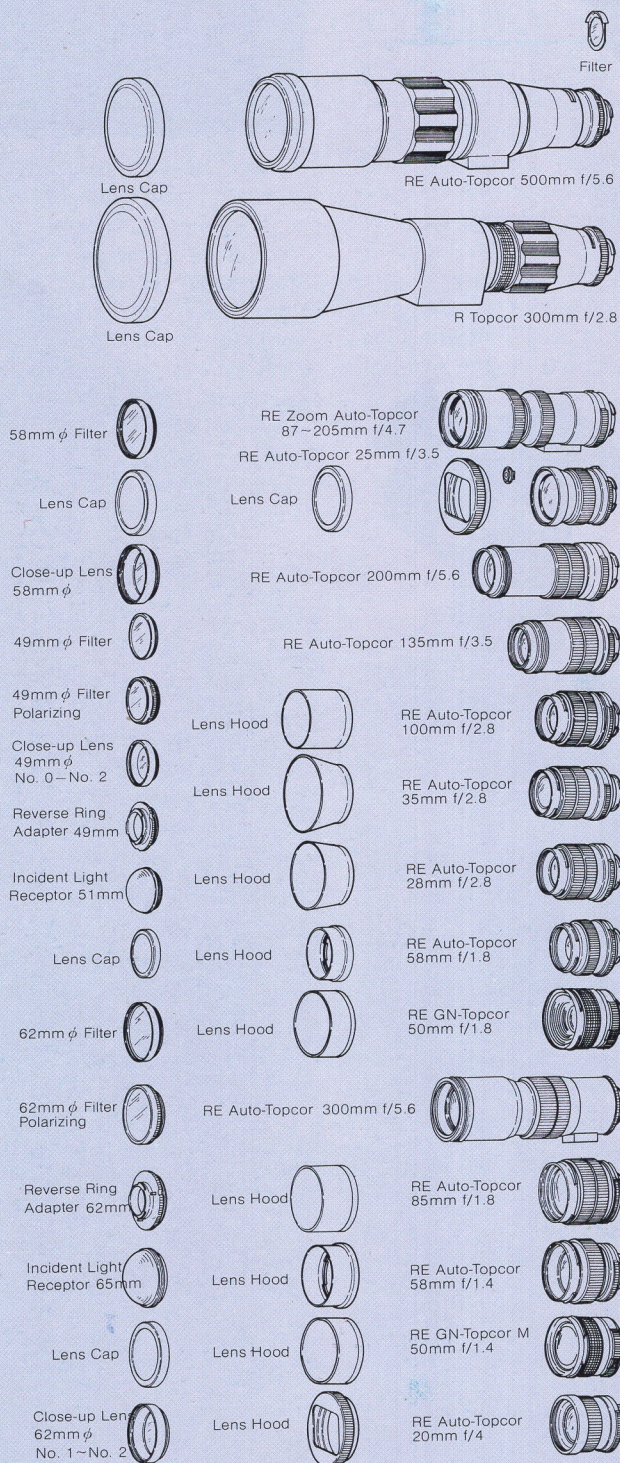
The camera body must be supported on the Model II Copying Kit, in this case, however, as the attachment cannot support anything by itself. On the other hand, the bellows is adjustable for focusing an image 1/3x to 1x the total magnification of the microscope.

For accurate exposure readings in photomicrography, there's a specially-developed gray slide, which can be used in place of the specimen for measuring the transillumination. And, naturally, the high magnification waist-level finder and many of the other accessories mentioned for macrophotography can also be used in this case.

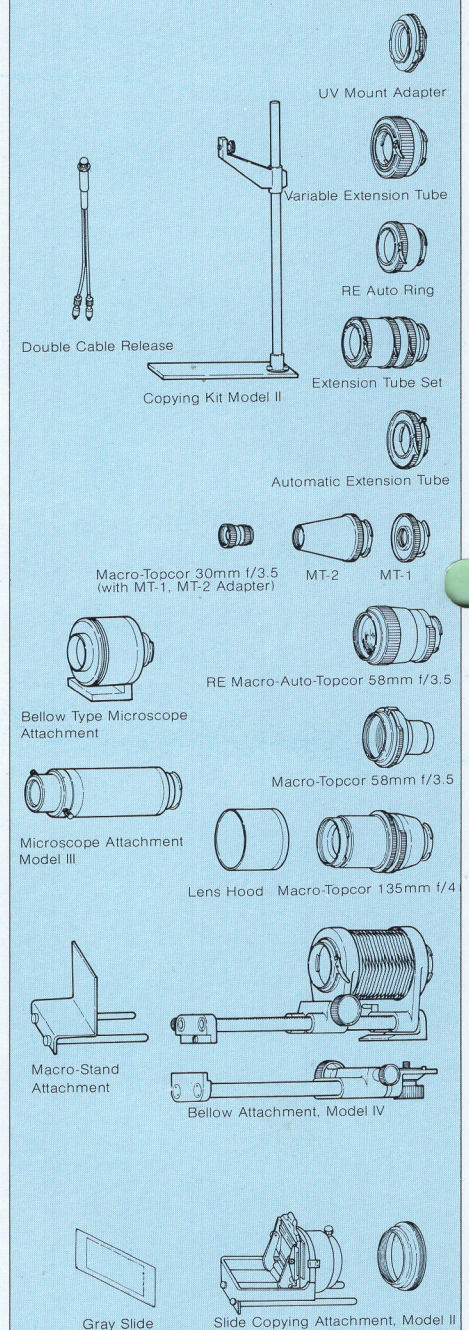
Full Range of Valuable Accessories for Many Purposes

In addition to the more exotic accessories already mentioned, there's a Model I Bellows for field trip use because it's compact and folds for storage; a 3-piece extension tube set; a focusing extension tube; a slide-copying attachment, Model II, for use with the Model IV Bellows; a 2-piece Model III Microscope Attachment, for low magnification photomicrography; and numerous other accessories, such as lens hoods, black-and-white and color filters, eyepiece adapter, angle view finder, magnifier, rubber eyecup, eyepiece correction lenses, close-up attachment lenses, incident light receptor, meter-lite, etc., etc., all of which have been developed for increasing your enjoyment of photography with the TOPCON Super DM.

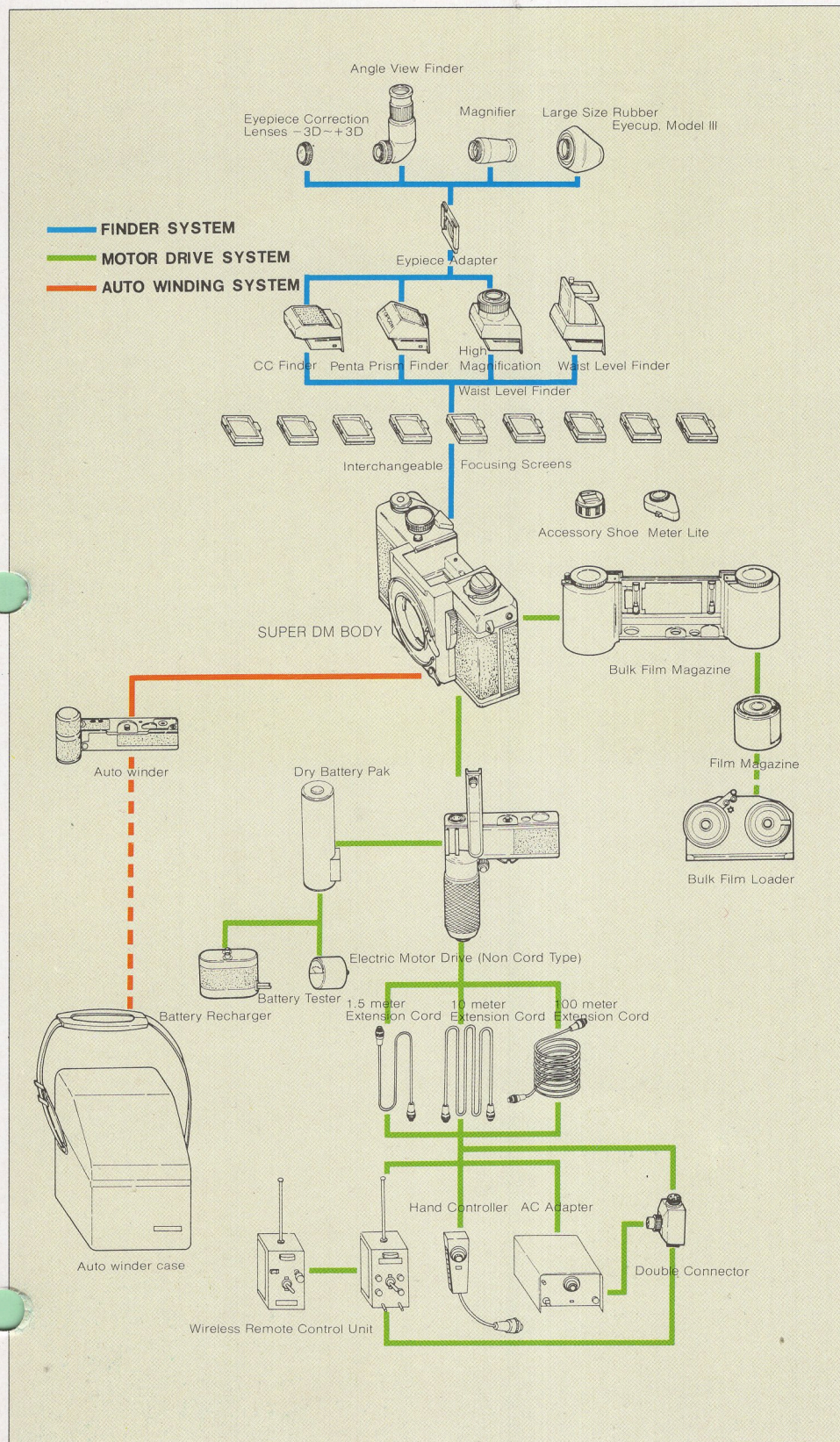
TOPCOR LENS SYSTEM



MICRO/MACRO SYSTEM



FINDER & FILM WINDING SYSTEM



TECHNICAL DATA

Lens: RE GN Topcor M f/1.4 50mm modified Gauss type lens, with Exakta type bayonet mount, fully automatic instant opening lens diaphragm, Flash-Matic operations and multi-layer anti-reflection lens coating.

Shutter: Focal plane shutter with speeds 1 to 1/1000 sec., plus Bulb, internally coupled to exposure meter and connecting to Auto Winder via electrical contact on camera base.

Finder: Interchangeable eye-level CC (control center) Pentaprism finder, with detachable eyepiece frame for exchanging with dioptric correction lenses.

Focusing Screen: Standard No. 1 screen is interchangeable with other types of focusing screens.

Mirror-Meter: Average reading exposure meter, internally coupled to both shutter speed and lens diaphragm, with match-point indicator seen below focusing screen and also on top deck, for exposure range of EV2 to EV16, with ASA 100 film and f/1.4 lens.

Flash Synchronization: Automatic internal peak compensating flash synchronization system, with single flash socket, and with built-in accidental flash prevention double contact system, with electronic flash units synching at 1/60 sec. and slower.

Dimensions/Weight:

| | | |
|------------------------|---------------------|--------|
| f/1.4 with Auto-Winder | 153 x 124 x 94 (mm) | 1,500g |
| f/1.8 with Auto-Winder | 153 x 124 x 94 (mm) | 1,440g |

TOPCON

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