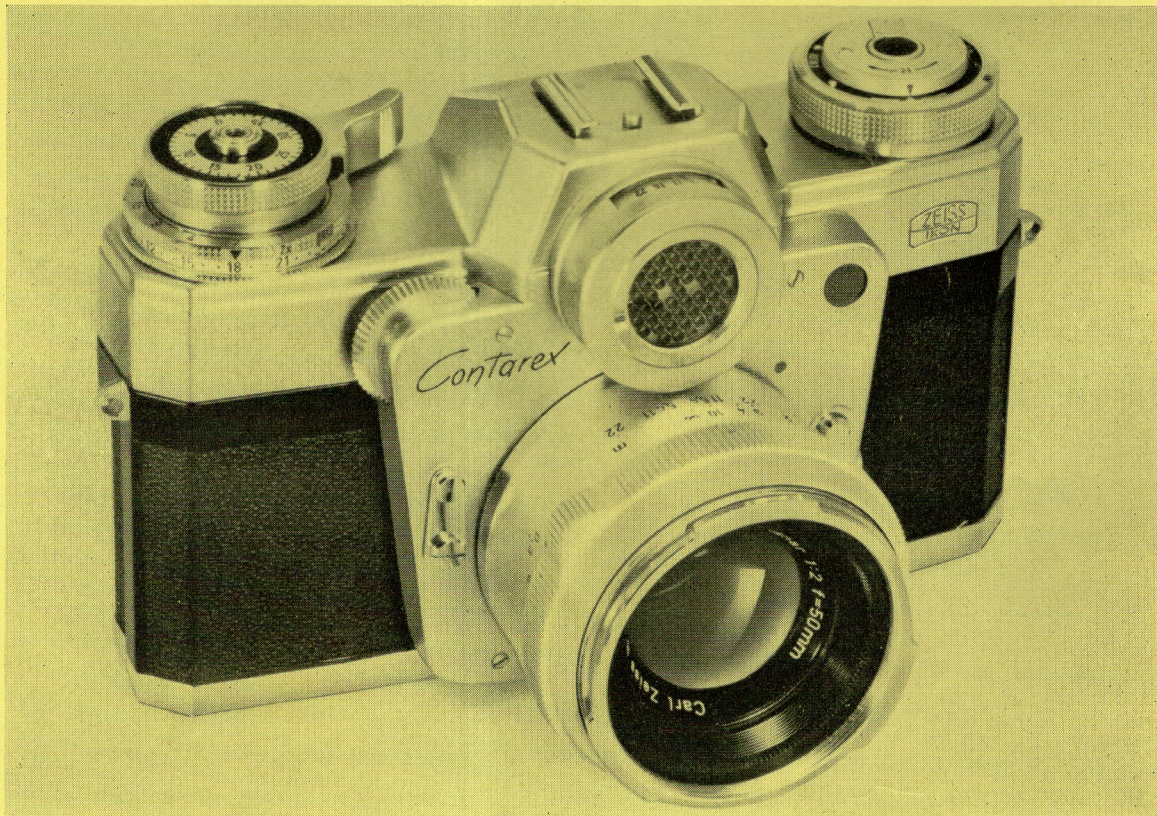




**CONTAREX CAMERA
AND ACCESSORIES**

35mm

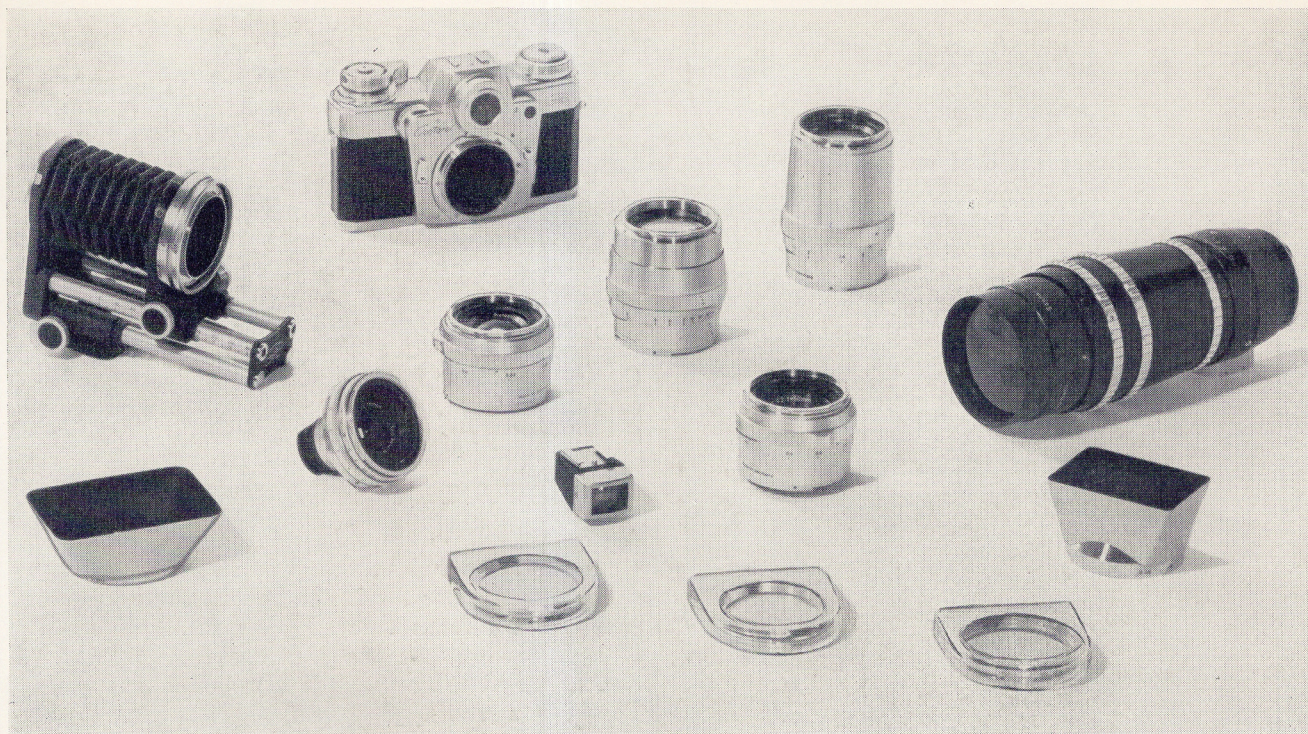


(Contarex) E-1

THE CONTAREX CAMERA



The Contarex is the top-ranking Zeiss Ikon camera, a camera of distinction in performance as well as in appearance. It combines the features of two leading designs: the famous Contax with completely interchangeable lens mount and the unique Contaflex single-lens reflex camera. Needless to say, such a combination of two outstanding camera designs sets new standards in versatility, precision and convenience, and it lends prestige to its owner.

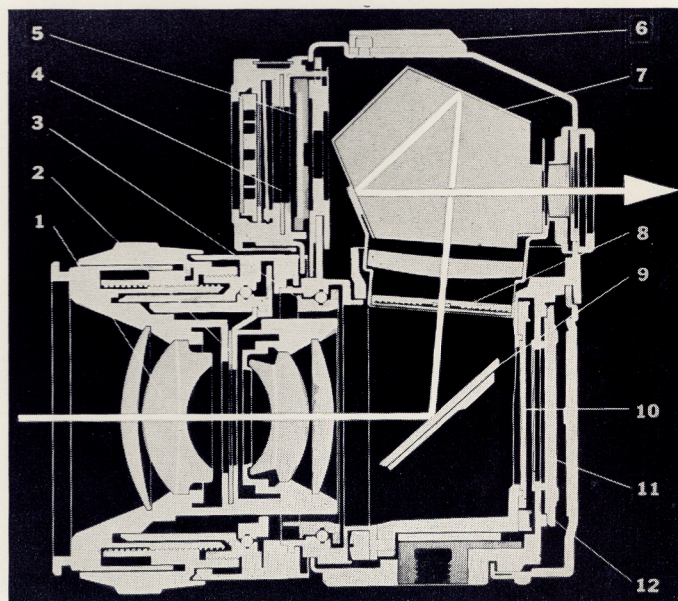


Contarex with major lenses and accessories

The Contarex camera is designed for the most rugged conditions, made of carefully selected materials and finished to utmost perfection. It is a piece of equipment you will admire for its workmanship and dependability. Its versatility makes it the ideal tool for the advanced and discriminating photographer. With a complete set of lenses, you cover anything from 90 degree wide-angle pictures to amazing telephoto shots. Photomicrography, macro photography and copy work can be done with a few inexpensive accessories. There are indeed numerous applications for the Contarex in medical, industrial, news, studio and sports photography.

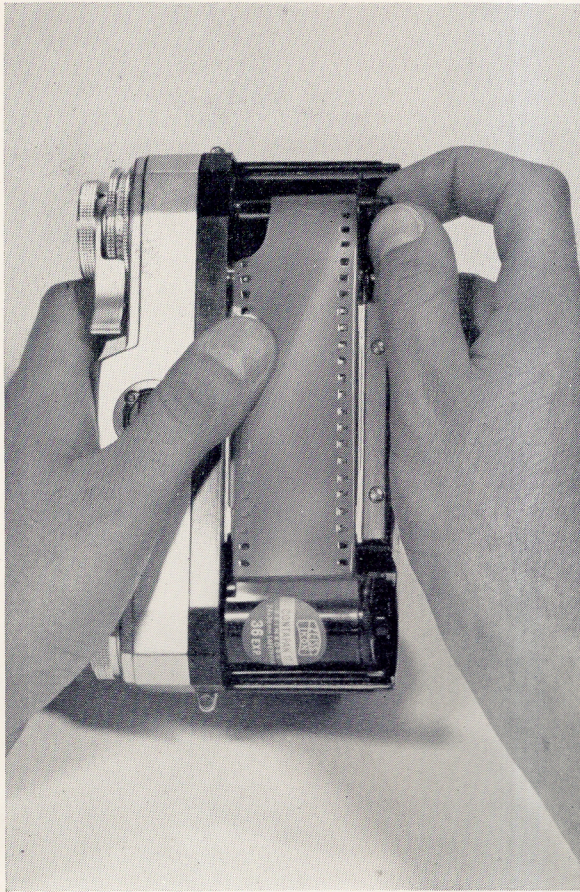
The unique single-lens reflex principle

With a single-lens reflex camera you sight and focus through the camera lens, and it does not matter if it is a standard, wide-angle or telephoto lens. In addition, you can fit a supplementary close-up lens or any other attachments over the lens, and the viewfinder image will still be parallax corrected. You also retain the convenience of the built-in rangefinder, the most important advantage of the single-lens reflex camera over regular 35mm cameras. In the Contarex, this single-lens reflex principle has been brought to unsurpassed perfection.



CROSS SECTION OF CONTAREX

- | | |
|------------------------------|---|
| 1. Planar f/2, 50mm lens. | 8. Fresnel lens with ground glass ring and split-image rangefinder. |
| 2. Lens diaphragm. | 9. Reflecting mirror. |
| 3. Lens diaphragm coupling. | 10. Focal plane shutter. |
| 4. Exposure meter diaphragm. | 11. Film. |
| 5. Photoelectric cell. | 12. Protective capping plate. |
| 6. Accessory shoe. | |
| 7. Penta Prism. | |

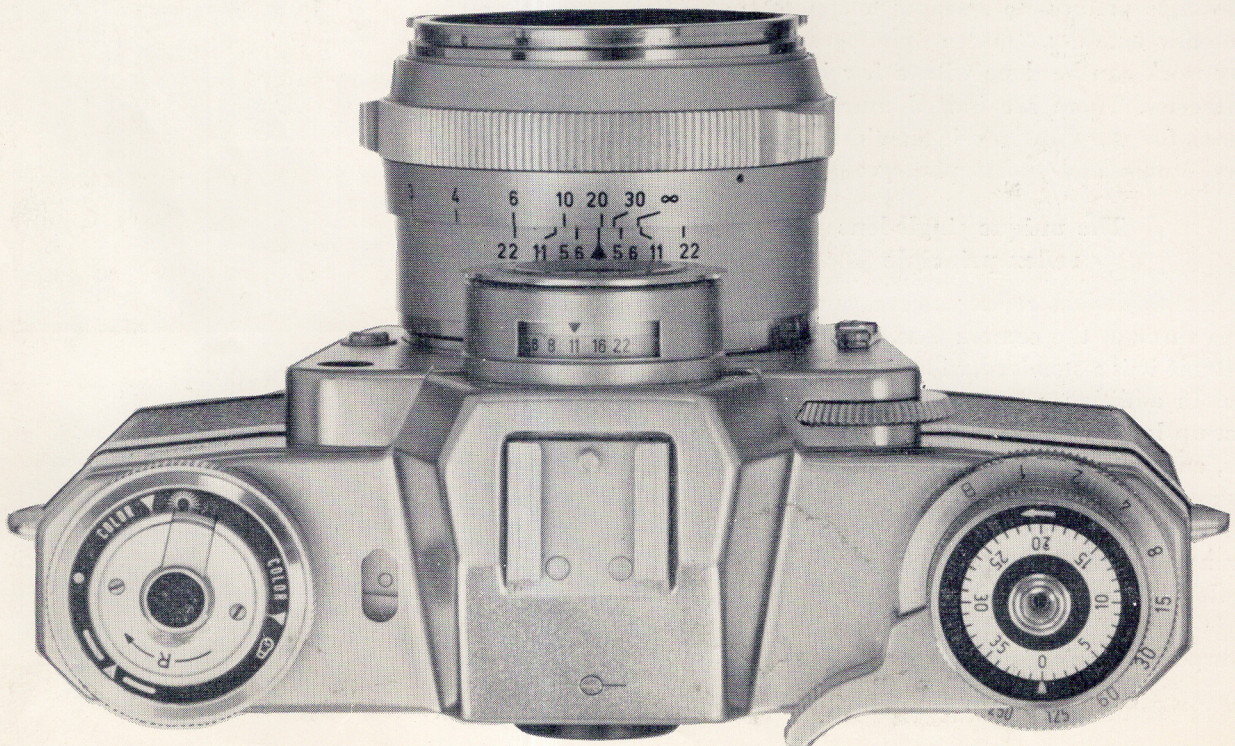


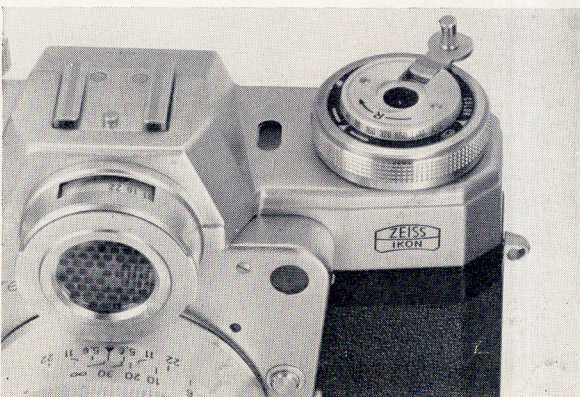
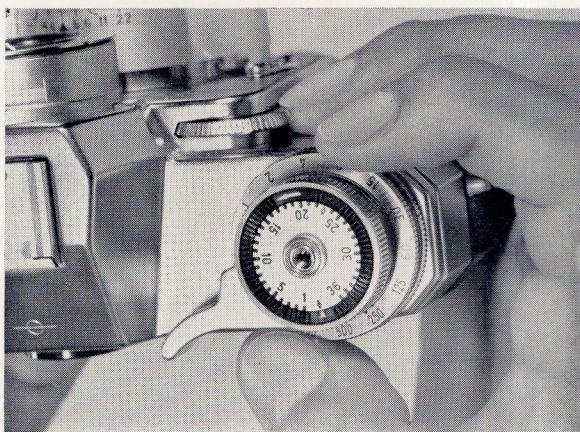
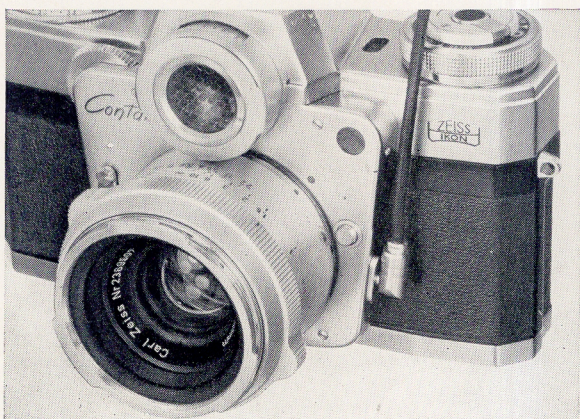
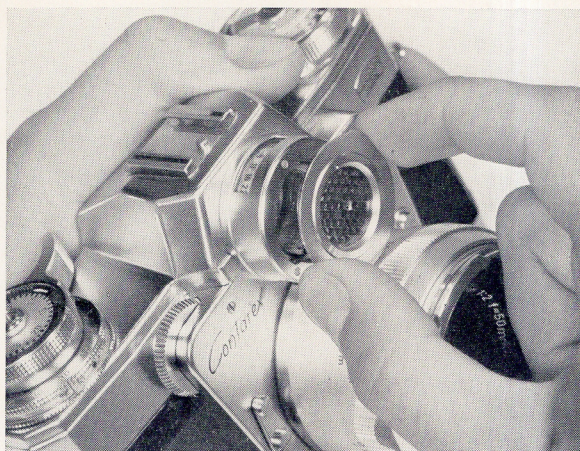
THE CAMERA BODY

A strong, die-cast body, from a light metal alloy, makes Contarex impervious to all kinds of climatic conditions. Outside metal parts are black anodized or satin chrome finished for greater durability. The camera body is handsomely covered with fine morocco leather. For fast loading and easy cleaning, the camera back is completely removable. The Contarex without lens weighs 32 ounces and measures $2\frac{1}{2} \times 4 \times 6$ ", a truly compact, well proportioned and perfectly balanced camera.

VIEWFINDER AND RANGEFINDER

A large parallax-corrected eye-level viewfinder provides an extra bright natural-size image, always sharp to the edges for instantaneous compositions. You see and focus through the lens, wide open. It also features an instant-return mirror which returns to viewing position after each exposure. The Penta roof-type prism makes the subject appear upright and unreversed, which is an essential point in sports photography and various other fields. The Fresnel lens guarantees an amazing overall brightness which is a necessity for available light photography. Simultaneously with viewing the subject, you focus the lens on either the split-image field or the surrounding extra fine focusing screen. This combined view and rangefinder is ideal for full-frame compositions of action shots. At the same time, you have complete control over the built-in exposure meter as the indicating needle is placed adjacent to the viewfinder image.





EXPOSURE METER

Zeiss Ikon exposure meters have proved to be most reliable for over 25 years, and the Contarex meter is, indeed, outstanding in performance as well as in its special features. Built into the camera for protection and for greater convenience, this exposure meter couples to all interchangeable lenses with automatic preset diaphragms (35mm to 135mm). The ingenious interlock system gives the choice of pre-selecting either a shutter speed or a lens opening, and the other setting is then adjusted with the exposure meter. Most other single-lens reflex cameras do not provide this alternative, and with these designs, the shutter speed must be pre-selected at all times. The Contarex exposure meter also permits conventional shutter speed and f/stop settings for non-preset lenses (21mm and 250mm). Furthermore, the automatic interlock can be temporarily disengaged to use individual settings for deliberate under or over-exposures (green dot setting). There are provisions for reflected and incident light readings.

To increase the sensitivity of this exposure meter under poor lighting conditions, simply remove the light baffle in front of the photocell, and the exposure meter will be 16x more sensitive than under ordinary conditions. This is equivalent to four full lens stops (yellow dot setting). The exposure meter can be adjusted at waist level or eye level. The indicating needle is adjacent to the viewfinder image. The 35mm Distagon and 50mm Planar automatically compensate for the natural loss of light at near distances.

THE FOCAL PLANE SHUTTER

There are 12 shutter speed settings on a single dial, including B, 1-1/1000 sec., and each speed operates with amazing smoothness. The built-in self-timer can be adjusted to various time delays, and the shutter is fully synchronized for flash bulbs and electronic flash units. Each speed is color coded and you adjust the synchronization automatically as you select a particular shutter speed.

COLOR CODE FOR FLASH SYNCHRONIZATION

Black speeds (X-contact) 1-1/30 sec: Class M bulbs, electronic flash units

Yellow speed (X-contact) 1/60 sec: Electronic flash units only

Red speeds (M-contact) 1/125-1/1000 sec: Focal plane (FP) flash bulbs

All speeds from 1-1/1000 sec. operate with the built-in self-timer for flash exposures.

RAPID FILM ADVANCE LEVER

One stroke with this lever advances film, cocks shutter, then opens lens diaphragm and shutter blades for viewing.

RAPID REWIND CRANK

A collapsible crank permits fast rewinding of 20 or 36 exposure loads into the cartridge.

PHOTOMICROGRAPHY

A few inexpensive adapters connect the Contarex without lens to standard microscopes with 25mm diameter eye-piece sleeve. The built-in viewfinder is parallax corrected for this purpose and the circular focusing screen indicates when the microscope is adjusted for maximum definition. As an additional accessory, we suggest the right-angle viewfinder.

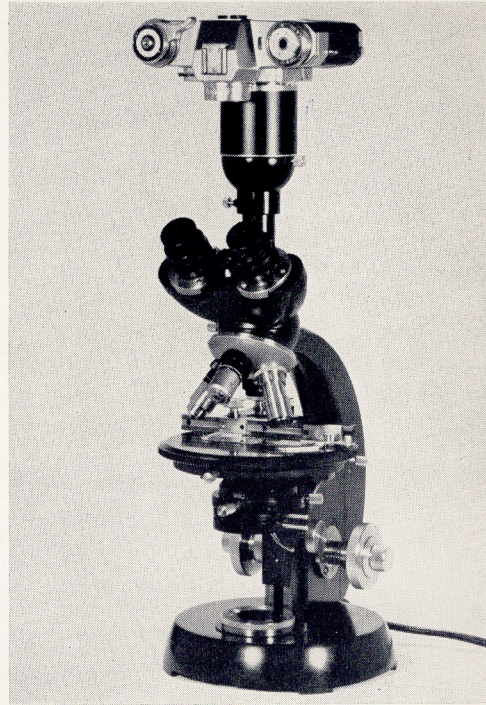
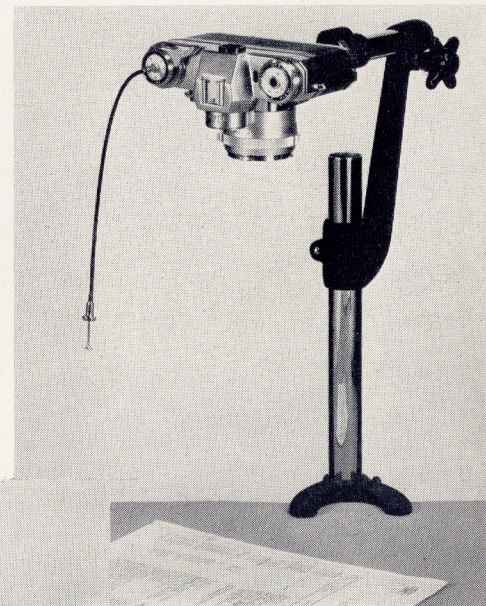


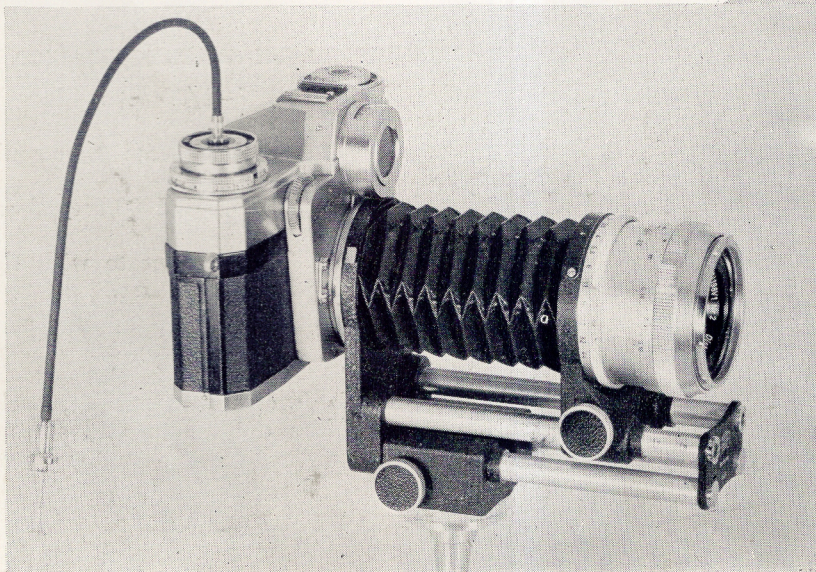
TABLE REPRODUCTION STAND

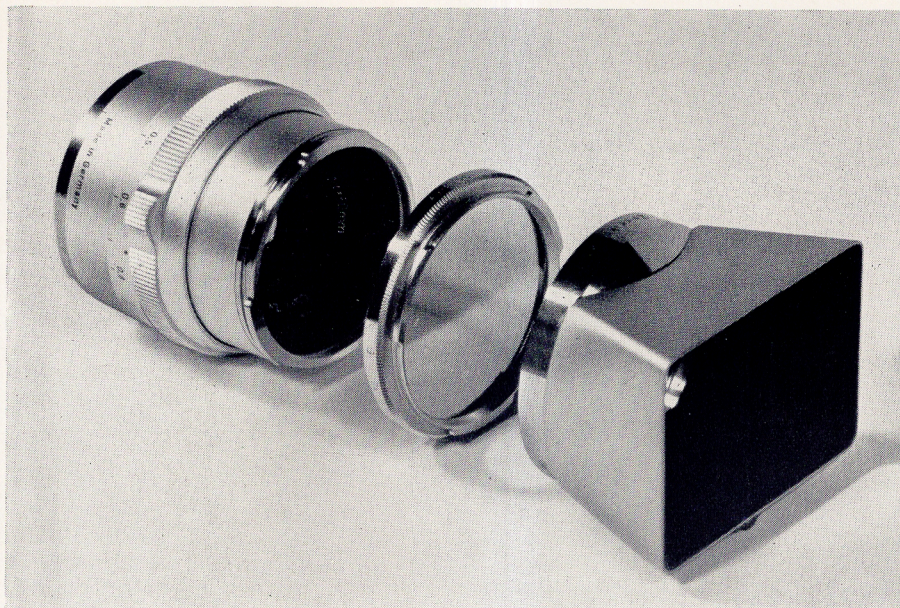
The table reproduction stand clamps to tables or drawing boards for all kinds of copy work and table-top photography. The camera can be aligned vertically and horizontally or at any intermediate position. The 24-inch pillar permits copy work of 8½ x 11" documents or any smaller sizes. When copying material is larger than 8½ x 11", swing the camera out and place the documents on an adjoining lower table or directly on the floor.



FOCUSING BELLOWS ATTACHMENT

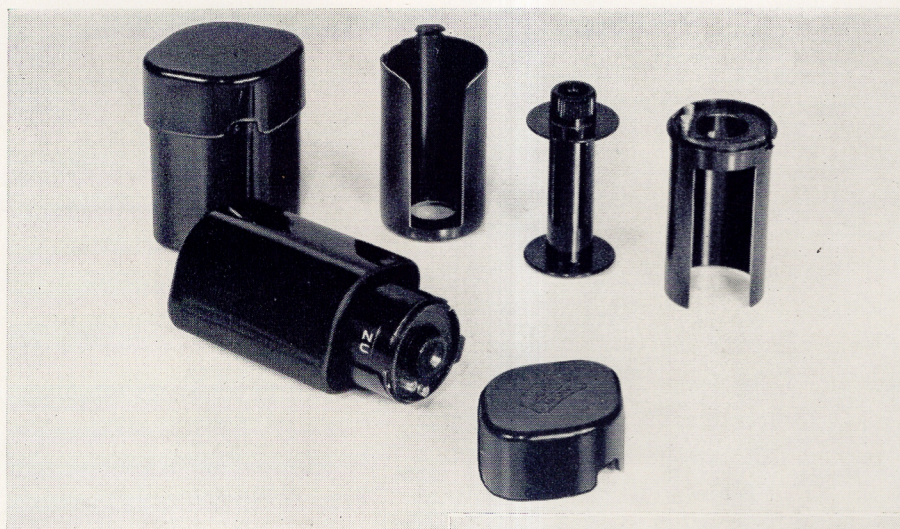
If the interchangeable Contarex lenses do not provide sufficient magnification at near distances, the focusing bellows attachment is recommended with its long bellows extension. This Contarex attachment covers minute objects in one sweep, and it is extremely flexible for medical and dental close-ups. The attachment can be used in conjunction with 35, 50, 85 and 135mm lenses. (Specifications are in price list.)





FILTERS

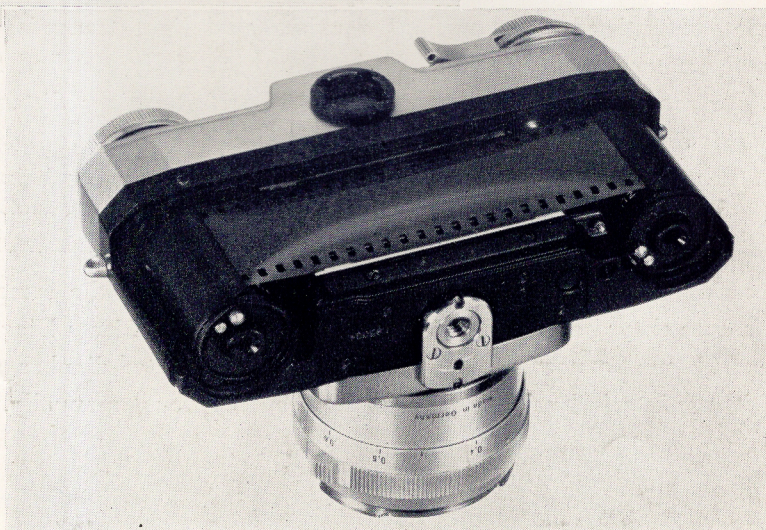
Filters and lens hoods are supplied in bayonet mounts for quick and convenient interchangeability. One size filter for all lenses from 21mm to 135mm focal length.



CONTAREX CASSETTES

Loading with two cassettes

Offers considerable advantages. It eliminates the necessity of rewinding exposed film, and partly exposed film can easily be removed in broad daylight. This facilitates exchange of one type of film for another, of black-and-white film for color, whenever such quick change is desired.





Contarex Lenses

The Contarex is equipped with some of the finest lenses as far as workmanship, material and performance are concerned and the fact that they are genuine Carl Zeiss lenses is your guarantee of complete satisfaction. The factory cuts and grinds these lenses from carefully selected glasses which are products of constant research in the optical field. All air-to-glass surfaces are hard coated (anti-reflection coating) for increased light transmission and greater image contrast. The lenses are carefully matched for color rendition. Precision mounts ensure perfect fitting; distance scales are calibrated in feet.

The built-in fully automatic pre-set diaphragm of 35 to 135mm lenses couples automatically to the exposure controls of the camera as soon as such a lens is fitted to the Contarex. The necessary connecting parts cannot interfere with the operation of the camera because they are placed inside the lens mount. The 21mm Biogon and 250mm Sonnar feature conventional, hand-operated diaphragms without interlock; the 250mm Sonnar can be pre-set manually.



Taken with Biogon f/4.5, 21mm lens



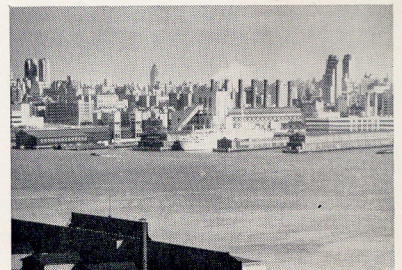
Taken with Distagon f/4, 35mm lens



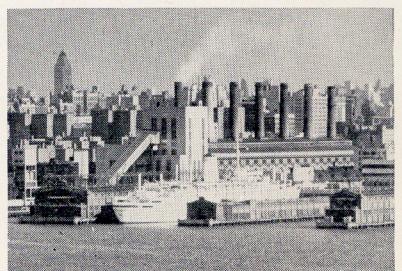
Taken with Planar f/2, 50mm lens



Taken with Sonnar f/2, 85mm lens



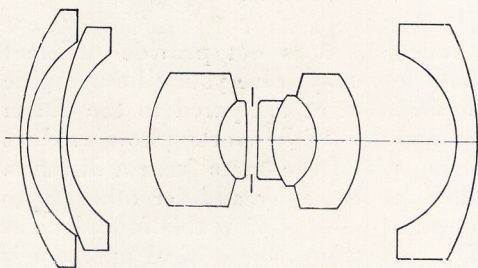
Taken with Sonnar f/4, 135mm lens



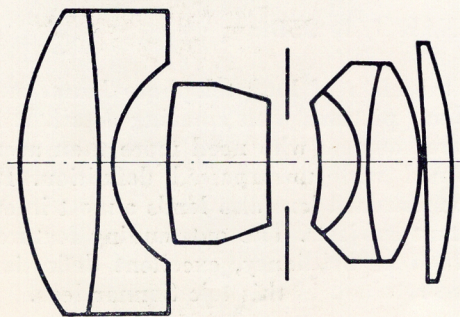
Taken with Sonnar f/4, 250mm lens

LENS SPECIFICATIONS

| | Angle of view | Elements | Smallest aperture | Closest distance | Approximate min. coverage |
|-----------------------------|---------------|----------|-------------------|------------------|---------------------------|
| Biogon f/4.5, 21mm (13/16") | 90° | 8 | f/22 | 3 ft. | 3' 1" x 4' 8" |
| Distagon f/4, 35mm (1 3/8") | 63° | 7 | f/22 | 8" | 2 3/4" x 4" |
| Planar f/2, 50mm (2") | 45° | 6 | f/22 | 12" | 3 3/8" x 5 1/4" |
| Sonnar f/2, 85mm (3 3/8") | 28° | 7 | f/22 | 30" | 7" x 10 1/2" |
| Sonnar f/4, 135mm (5 3/8") | 18° | 4 | f/22 | 4' | 7" x 10 1/2" |
| Sonnar f/4, 250mm (10") | 10° | 4 | f/22 | 8' | 8" x 11" |

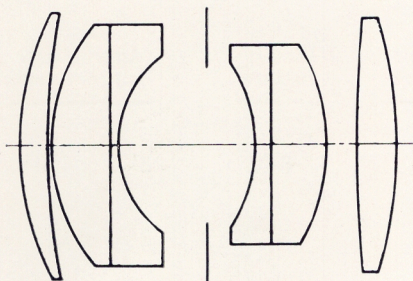
BIOGON f/4.5, 21mm

The 21mm Biogon, first 90 degree wide-angle lens in the 35mm field, is a completely new design based on a unique formula. It offers excellent definition over the entire negative area at full aperture (f/4.5), is free of distortion and provides outstanding illumination near the edges, which is a major problem with any wide-angle design. The tremendous depth-of-field (3' 6" to Infinity at f/4.5) makes it an excellent fixed-focus lens for instantaneous snapshots. It is also indispensable when photographing a large area at a comparatively short distance, for instance, charts, machines or testing equipment in small spaces. For the same reason photographers prefer the Biogon for architectural subjects and general indoor photography.

DISTAGON f/4, 35mm

The Distagon is a universal wide-angle lens with crisp definition and excellent illumination over the entire field. It has an extremely long back focus to provide sufficient clearance for the mirror of single-lens reflex cameras. The Distagon is widely used in indoor photography and for scenic pictures whenever the 50mm standard lens does not give sufficient coverage. This lens focuses as close as 8", which is another interesting feature of its design.

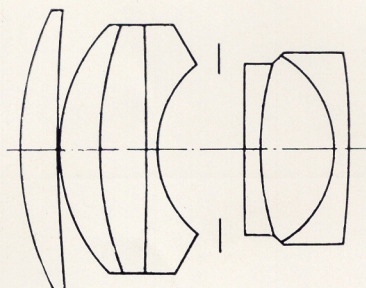
PLANAR f/2, 50mm



The Planar lens is based on a Carl Zeiss formula which dates back as far as the beginning of the century, and since that time it has undergone innumerable optical and mechanical improvements. Consequently the current f/2, 50mm Planar lens for the Contarex represents the ultimate in modern lens design.

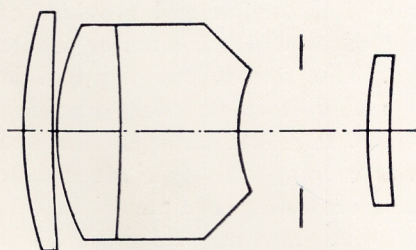
Among other outstanding characteristics, the lens produces an exceptionally flat image with uniform and needle-sharp resolution over the entire field. The excellent correction of spherical and chromatic aberration and its proper rendering of contrasts, makes it a truly ideal standard lens for color and black-and-white photography. It focuses as close as 12" in its standard Contarex mount.

SONNAR f/2, 85mm



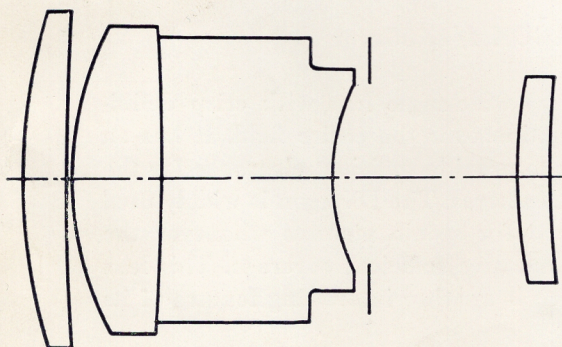
This Sonnar combines a medium telephoto effect with high lens speed and it is preferably used in sports, stage and press photography. Professionals also prefer this lens for taking portraits as it yields a large image from a distance, thus reducing the perspective distortion inevitable with shorter-focus lenses. From an optical point of view, high lens speed, good definition and outstanding illumination are the chief characteristics of this design. The comparatively short over-all length of the lens makes it very convenient in indoor and outdoor use.

SONNAR f/4, 135mm



Whenever the 85mm Sonnar lens does not provide sufficient magnification, this telephoto lens may solve your photographic problems. With 2.7X magnification as compared to the 50mm standard lens, it is very popular with sports photographers who wish to cover certain phases of the game from a distance. It is also needed in wildlife photography and for other types of distant shots. From an optical point of view this four-element lens is of truly outstanding correction. The critical aperture is f/4.5 (almost wide open) and smaller lens openings will not increase the definition of the lens but will only give a more extended depth-of-field. The 135mm Sonnar is also a short-barrel lens, a special feature of the Sonnar type.

SONNAR f/4, 250mm



This Sonnar belongs in the class of long telephoto lenses and produces extremely brilliant pictures with amazing detail. It is designed for those Contarex owners who need more than average magnification combined with unsurpassed definition. Its 5X magnification over the standard lens also lends a most interesting perspective to distant subjects. The outstanding features of the famous Sonnar such as brilliancy, excellent definition and even illumination are retained in this tele Sonnar lens.

CONTAREX, Interchangeable Lenses, Accessories

| | Catalog Number | Price |
|--|----------------|--------|
| CONTAREX with Planar f/2, 50mm, case extra..... | 10.2401 | 450.00 |
| CONTAREX, camera body only..... | 10.2400 | 315.00 |
| EVEREADY CASE for Contarex..... | 20.7520 | 26.00 |
| BIOGON f/4.5, 21mm..... | 11.2402 | 219.00 |
| DISTAGON f/4, 35mm, automatic preset..... | 11.2403 | 139.00 |
| PLANAR f/2, 50mm, automatic preset..... | 11.2401 | 135.00 |
| SONNAR f/2, 85mm, automatic preset..... | 11.2404 | 185.00 |
| SONNAR f/4, 135mm, automatic preset..... | 11.2405 | 139.00 |
| SONNAR f/4, 250mm, manually preset, with lens shade..... | 11.2406 | 329.00 |
| VIEWFINDER for 21mm Biogon..... | 20.1500 | 25.00 |
| LENS CAP for FRONT of lens..... | 20.0609 | 1.00 |
| LEATHER CASES: | | |
| For 21mm lens..... | 20.7755 | 13.00 |
| For 35 and 50mm lenses..... | 20.7756 | 10.00 |
| For 85mm lens..... | 20.7757 | 11.00 |
| For 135mm lens..... | 20.7758 | 11.00 |
| For 250mm lens..... | 20.7759 | 16.00 |

LENS SHADES AND CASES

| | | |
|--|---------|------|
| Bayonet mount, 56mm for 21 and 35mm lenses..... | 20.0710 | 4.00 |
| Bayonet mount, 56mm for 50, 85 and 135mm lenses..... | 20.0712 | 4.00 |
| Leather Case for #20.0710 lens shade..... | 20.7838 | 3.00 |
| Leather Case for #20.0712 lens shade..... | 20.7837 | 3.00 |

FILTERS

| | | |
|--|-------------|-------|
| Bayonet mount, 56mm for 21, 35, 50, 85 and 135mm lenses: | | |
| ZEISS IKON MANUFACTURE | | |
| Ultra Violet 1x..... | 20.1012 UV | 13.00 |
| Yellow 2x..... | 20.1012 G | 13.00 |
| Yellow Green 2x..... | 20.1012 GR | 13.00 |
| Orange 5x..... | 20.1012 O | 13.00 |
| Red 8x..... | 20.1012 R | 13.00 |
| DOMESTIC MANUFACTURE IN ZEISS IKON MOUNT | | |
| 1A Skylight for Kodachrome, Anscochrome, Ektachrome, Super-Anscochrome, High Speed Ektachrome, all daylight..... | 20.1012-1A | 13.00 |
| 85C for Kodachrome and Ektachrome, Type F..... | 20.1012-85C | 13.00 |
| 85B for Super-Anscochrome Tungsten, High Speed Ektachrome, Type B..... | 20.1012-85B | 13.00 |
| Screw-in mount, 67mm for 250mm lens: | | |
| ZEISS IKON MANUFACTURE | | |
| Ultra Violet 1x..... | 20.1017 UV | 20.00 |
| Yellow 2x..... | 20.1017 G | 20.00 |
| DOMESTIC MANUFACTURE IN ZEISS IKON MOUNT | | |
| 1A Skylight for Kodachrome, Anscochrome, Ektachrome, Super-Anscochrome, High Speed Ektachrome, all daylight..... | 20.1017-1A | 20.00 |
| 85C for Kodachrome and Ektachrome, Type F..... | 20.1017-85C | 20.00 |
| 85B for Super-Anscochrome Tungsten, High Speed Ektachrome, Type B..... | 20.1017-85B | 20.00 |
| All Zeiss Ikon filters are dyed-in-the-mass, solid optical glass, plane-parallel finished to the highest degree. Mounted in chromium plated mounts. Color film conversion filters are domestically manufactured to our specifications. | | |
| CONTAPOL, polarizing filter in bayonet mount, 56mm..... | 20.1206 | 20.00 |
| The Contapol subdues reflections on glass, water and other non-metallic surfaces, darkens blue skies in color photography without changing subject colors. The filter factor is approx. 3X. | | |

CONTAREX ACCESSORIES FOR CLOSE-UP PHOTOGRAPHY

| | Catalog Number | Price |
|--|----------------|-------|
| PROXAR CLOSE-UP LENS, bayonet mount, 56mm, 4x, f = 0.2m (for distances 4-8 in.)..... | 20.0840 | 11.00 |
| Approx. minimum coverage: $1\frac{3}{4} \times 2\frac{1}{2}$ " } Approx. maximum coverage: $3\frac{3}{8} \times 5\frac{1}{4}$ " } with 50mm lens | | |
| BELLOWS EXTENSION for Contarex (double track)..... | 20.1617 | 79.00 |
| for 35 to 135mm lenses Approx. permissible field sizes with: 35mm lens: $\frac{1}{4} \times \frac{3}{8}$ " to $1 \times 1\frac{1}{2}$ " 50mm lens: $\frac{3}{8} \times \frac{5}{8}$ " to $1\frac{5}{8} \times 2\frac{3}{8}$ " 85mm lens: $\frac{5}{8} \times 1$ " to $2\frac{7}{8} \times 3\frac{3}{4}$ " 135mm lens: $1 \times 1\frac{1}{2}$ " to $3\frac{1}{2} \times 5\frac{1}{4}$ " | | |
| TABLE REPRODUCTION STAND. Consisting of: | | |
| Table Clamp..... | 20.1826 | 11.00 |
| Pillar 2' long..... | 20.1819 | 11.00 |
| Connecting Arm..... | 20.1828 | 12.00 |
| Camera Adapter..... | 20.1824 | 12.00 |
| RIGHT-ANGLE VIEWFINDER for viewing and focusing at waist-level and for copy work, photo-micrography. Mirror reflex viewfinder with adjustable eyepiece which is fitted to the eyepiece of the camera..... | 20.1634 | 17.00 |
| MICRO ATTACHMENT for 25mm. Eyepiece Sleeve, consisting of: | | |
| 1 Contarex Adapter..... | 20.1628 | 8.00 |
| 1 Connecting Ring..... | 20.1616 | 8.00 |

SUNDRY ACCESSORIES

| | | |
|---|---------|------|
| CABLE RELEASE, locking..... | 20.0281 | 1.25 |
| 10-in. long, with special locking device for long time exposure. | | |
| TAKE-UP SPOOL for Contarex..... | 20.0001 | .45 |
| Made of plastic, with tooth for anchoring film. No special cutting of film required. | | |
| NECK STRAP for Contarex..... | 20.0211 | 1.95 |
| Black leather, adjustable to a length of 29-in. Equipped with swivel locking device. | | |
| EYE-CORRECTION LENS (spherical only) from ± 1 to ± 5 diopters in steps of 0.5 diopters each, for Contarex, special order only together with prescription for eye used..... | 20.0504 | 3.00 |
| CASSETTE for Contarex, complete..... | 20.0300 | 6.00 |
| CORE for Contarex Cassette..... | 20.0301 | .45 |
| For using "Bulk" film. By using a cassette at each end, films may be inter- changed with a minimum loss and film need not be re-wound before unloading. This cassette is also used in the Contax and Contaflex cameras. Complete cassette furnished in container and with core (spool). Core supplied separately for replacement; it is not identical with take-up spool. | | |
| IKOBLITZ 4..... | 20.2214 | 9.95 |
| BC flash unit for bayonet base flash bulbs #5, with folding reflector, removable adapter for M5 and M25 bulbs. For 15-volt BC battery (battery not included). | | |