

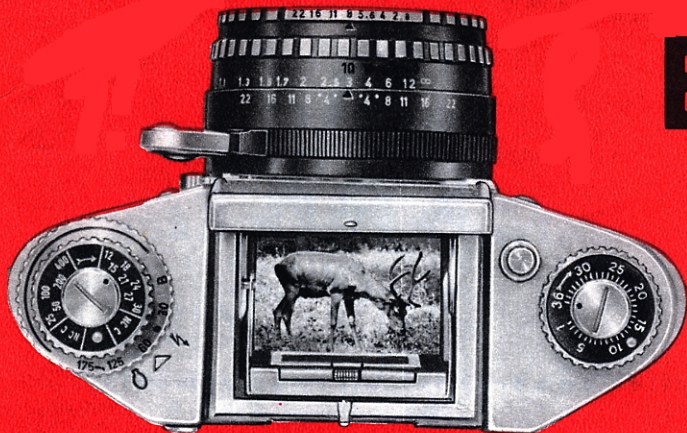
EXA EXAKTA *Varex*

35 mm miniature reflex cameras for all requirements



24 x 36 mm

EXA I

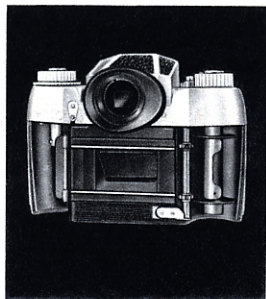


**24 x 36 mm,
a simple,
popular-price
reflex camera for
the amateur**

- Exceptionally simple to operate.
- The subject is selected, framed, and focused by means of the brilliant magnified reflex image in the interchangeable viewfinder: use either the erect-image Finder Hood, the Penta Prism giving an upright and laterally-correct image, or the Stereo View Finder "Stereflex". In place of the ground-glass screen the Distance Meter (a split-image rangefinder centered in a ground-glass field) is a valuable focusing aid with the Finder Hood or Penta Prism; alternatively there is the image-brightening Fresnel Lens (a uniformly brilliant ground-glass screen with split-image rangefinder). Focusing is performed through the taking lens, giving parallax-free uniformity of reflex image and final picture.
- Interchangeable lenses (also available with fully-automatic spring or pressure diaphragms), including special-purpose lenses with focal lengths from 20 mm upwards (with certain long-focus lenses slight vignetting will occur along the longer edges of the negative). World-famous quick-change bayonet lens mount as on all three Ihagee reflex cameras.
- Focal-plane shutter with large release button and setting ring for selecting speeds of $\frac{1}{50}$, $\frac{1}{60}$, $\frac{1}{125}$, and $\frac{1}{175}$ sec, also B and T settings for short or long time exposures. Body shutter release with cable release thread. Shutter tensioning coupled with film-wind mechanism (eliminating double exposures and blank frames). Universal flash contact with symbol-setting for flash bulbs and electronic flash.
- Ever-dependable film advance mechanism: film is either wound on to take-up spool and then rewound, or advanced from one cassette to another. Detachable camera back with pressure plate to maintain maximum image sharpness. Frame counter. Film-speed indicator.
- Attractively-designed, easy-to-handle light alloy body, covered in durable material. External metal com-

ponents chrome-plated and enamelled. Dimensions of body $3\frac{1}{2} \times 5\frac{1}{8} \times 2$ in. approx. ($92 \times 132 \times 50$ mm), weight without lens approx. 22 oz.

- Comprehensive range of accessories (slight restrictions on taking close-ups at shortest distances; vignetting effects along the longer edges of the negative).



EXA I with Penta Prism and Eyepiece (camera back detached)



Bayonet Rings, Tubes, and Autocouple Extension Release for close-up photographs

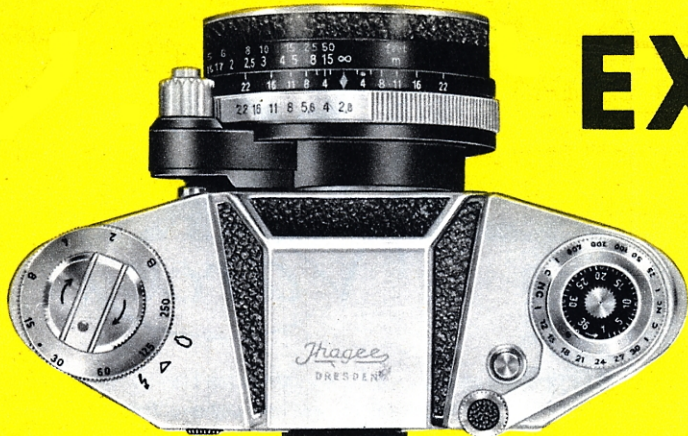
The EXA I is normally supplied with Finder Hood (with Distance Meter or Fresnel Lens on request) and one of the following lenses:

Designation, aperture, and focal length (mm)	Type of diaphragm*	Angle of view (Nominal)	Mount diameter for screw-in attachments
Meritar f 2.9/50	PD	45°	M 35.5 x 0.5
Trioplan f 2.9/50	CD	45°	M 35.5 x 0.5
Jena T f 2.8/50	CD	45°	M 35.5 x 0.5
Domiplan f 2.8/50	FAD	45°	M 40.5 x 0.5
Jena T f 2.8/50	FAD	45°	M 49 x 0.75

* CD = Click-stop diaphragm, PD = Pre-set diaphragm, FAD = Fully-automatic diaphragm.

EXA IIa

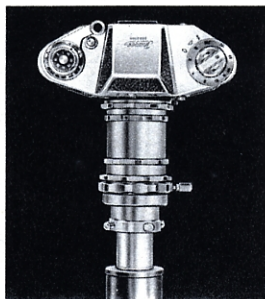
**24 x 36 mm
the versatile reflex
camera for
every user**



- Ultra-simple operation.
- Image framing and focusing controlled by means of the magnified, brilliant and always upright and laterally-correct reflex image in the permanently built-in Penta Prism. On request, a Distance Meter (split-image rangefinder in a ground-glass field) or an image-brightening Fresnel Lens (uniformly brilliant

Body shutter release with cable release thread. Shutter release lock. Interlocked shutter-tensioning and film wind, eliminating double exposures and blank frames. Universal flash contact with symbol-settings for flash bulbs and electronic flash.

- Dependable film advance: film is either wound on to the take-up spool and then rewound with a rewind crank, or transported directly from one cassette to another. Detachable camera back with film pressure plate to ensure maximum image sharpness. Frame counter, film-speed indicator.
- Smart, easily-handled light alloy body, covered in durable material. External metal components chrome-plated and enamelled. Dimensions of body $3\frac{3}{4} \times 5\frac{1}{4} \times 2$ in. approx. (98 x 132 x 50 mm), weight without lens approx 26½ oz.
- Comprehensive range of accessories (all close-up equipment can be used without restrictions or limitations).



Miniature Bellows Attachment (with Autocouple Extension Release)

Microscope Attachment for connecting the camera to a microscope

ground-glass screen with split-image rangefinder) can be fitted to give valuable assistance in focusing. Through-the-lens reflex focusing, giving parallax-free uniformity of screen image and final picture.

- Interchangeable lenses (also with fully-automatic spring or pressure diaphragm). Special-purpose lenses from 20 mm to 1000 mm focal length can be used without restrictions. Lenses with focal lengths from f 20 mm to f 180 mm with fully-automatic spring or pressure diaphragms. World-famous quick-change bayonet lens mounts as on all three Ihagee reflex cameras.
- Focal-plane shutter with rapid-wind lever and setting ring for shutter speeds from $\frac{1}{2}$ to $\frac{1}{250}$ sec, also B and T settings for short or long time exposures.

The EXA IIa is supplied with a built-in Penta Prism (with Distance Meter or Fresnel Lens on request) and one of the following lenses:

Designation, aperture, and focal length (mm)	Type of diaphragm*	Angle of view (Nominal)	Mount diameter for screw-in attachments
Meritar f 2.9/50	PD	45°	M 35.5 x 0.5
Trioplan f 2.9/50	CD	45°	M 35.5 x 0.5
Jena T f 2.8/50	CD	45°	M 35.5 x 0.5
Domiplan f 2.8/50	FAD	45°	M 40.5 x 0.5
Jena T f 2.8/50	FAD	45°	M 49 x 0.75
Jena Pancolar** f 2/50	FAD	45°	M 49 x 0.75
Domiron f 2/50***	FAD	45°	M 55 x 0.75

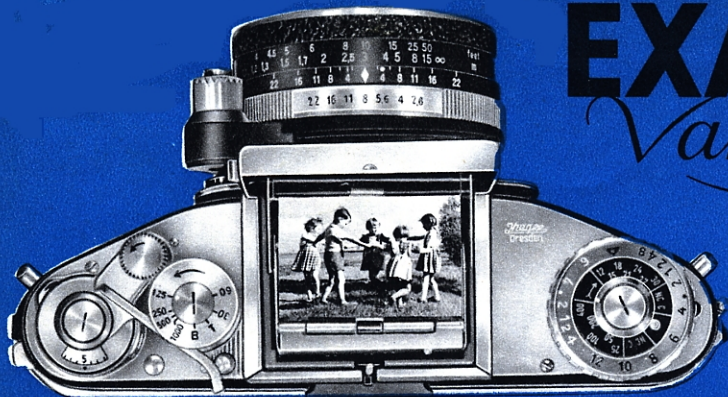
* CD = Click-stop diaphragm, PD = Pre-set diaphragm, FAD = Fully-automatic diaphragm.

** With automatic depth-of-field indicator.

*** With extra-long helical focusing mount for taking close-ups down to $13\frac{1}{2}$ inches without special accessories.

EXAKTA

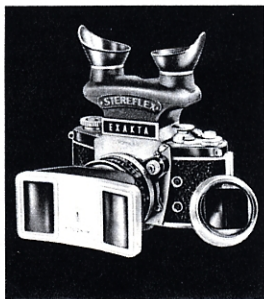
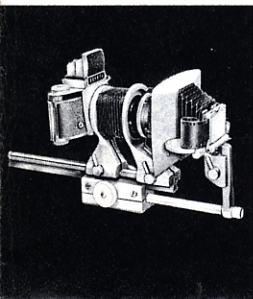
Varex II b



24 x 36 mm,
the supreme develop-
ment of 35 mm reflex
photography, for the
most exacting work

- Simple to operate.
- Subject selection, image framing and focusing by means of the brilliant, magnified reflex image; interchangeable viewfinders: Finder Hood giving an upright image, Penta Prism for an upright and laterally-correct image, Lens Magnifier or Stereo View Finder "Stereflex". In place of the ground-glass screen, the Distance Meter (a split-image

setting knobs for shutter speeds from $\frac{1}{1000}$ sec up to 12 seconds (internationally recognized shutter-speed sequence: $\frac{1}{1000}$, $\frac{1}{500}$, $\frac{1}{200}$, $\frac{1}{120}$, $\frac{1}{60}$ sec. etc.); B and T settings for brief or long time exposures. Delayed-action selftimer release for shutter speeds from $\frac{1}{1000}$ to 6 sec. Body shutter release with cable release thread; release lock, shutter tensioning and film advance mechanisms are interlocked to eliminate double exposures and blank frames. Three flash contacts (FP, F, and X) for all flash bulbs and electronic flash units.



Bellows Attachment with Transparency Copy Equipment for optical slide duplicating

Stereo Attachments and Stereo View Finder "Stereflex"

- Ever-dependable film advance mechanism; the film is either wound on to the take-up spool and back into the cassette (with rewind crank) or advanced from one cassette to another. Hinged camera back with film pressure plate to ensure perfect image definition. Frame counter. Film-speed indicator. Film-advance control disc. Film cutting knife.
- Elegant, easy-to-handle light alloy body with durable covering. External metal components chrome-plated and enamel-finished. Dimensions of body $3\frac{1}{2} \times 6 \times 2$ in. approx. ($92 \times 150 \times 50$ mm), weight without lens approx. $24\frac{1}{2}$ oz.
- Most comprehensive range of accessories to cover even the most unusual assignments. No restrictions on the use of close-up equipment.

The EXAKTA Varex II b is normally supplied with Finder Hood (with Distance Meter or Fresnel Lens if requested) and one of the following lenses:

Designation, aperture, and focal length (mm)	Type of diaphragm*	Angle of view (Nominal)	Mount diameter for screw-in attachments
Domiplan f 2.8/50	FAD	45°	M 40.5 x 0.5
Jena T f 2.8/50	FAD	45°	M 49 x 0.75
Jena Pancolar** f 2/50	FAD	45°	M 49 x 0.75
Domron f 2/50***	FAD	45°	M 55 x 0.75

* FAD = Fully-automatic diaphragm.

** With automatic depth-of-field indicator.

*** With extra-long helical focusing mount for taking close-ups down to $13\frac{1}{2}$ inches without special accessories.

rangefinder centered in a ground-glass field) is a useful focusing aid with Finder Hood, Penta Prism, or Lens Magnifier; alternatively there is the image-brightening Fresnel Lens (a uniformly brilliant ground-glass screen with split-image rangefinder). Through-the-lens focusing, ensuring uniformity between reflex image and final picture and complete freedom from parallax.

- Interchangeable lenses with fully-automatic spring or pressure diaphragms. Special-purpose lenses with focal lengths from 20 to 1000 mm can be employed with no limitations whatsoever; lenses from 20 to 180 mm focal length have fully-automatic spring or pressure diaphragms. World-famous quick-change bayonet lens mounts as on all three Ihagee cameras.
- Focal-plane shutter with rapid-wind lever and speed-



Tradition and precision

The IHAGEE Kamerawerk has been in existence for 50 years; for over 40 years we have been primarily engaged in the manufacture of single-lens reflex cameras. In 1936 we brought out the first 35 mm single-lens reflex in the world, and in 1950 we introduced the first miniature reflex camera with interchangeable viewfinder systems. We can also claim a whole range of other "firsts" in the development of this type of camera. It was the EXAKTA camera, the precision workmanship of which is recognized all over the world, which brought into being a completely new epoch in 35 mm photography.

The three cameras EXA I, EXA IIa, and EXAKTA Varex IIb are designed to perform tasks of increasing complexity, but all of them belong to the same "system", using the same lenses and sharing all the most important accessories. That is why any one of these models makes the ideal second camera for use in conjunction with either of the others; in this way it is possible to graduate from a relatively simple photographic outfit to a most comprehensive one with the minimum capital outlay. For this reason every component of the limitlessly versatile EXAKTA system represents a truly lasting investment, immune from depreciation and obsolescence.

Special-purpose

lenses for EXAKTA Vorex and EXA cameras

Designation, aperture, and focal length (mm)	Type of diaphragm*	Angle of view (Nominal)	Mount diameter for screw-in attachments
Flektogon f 4/20	FAD	93°	M 77 × 0.75
Flektogon f 4/25	FAD	82°	M 77 × 0.75
Meyer Lydith f 3.5/30	PD	71°	M 49 × 0.75
Flektogon f 2.8/35**	FAD	62°	M 49 × 0.75
Jena B f 1.5/75	PD	32°	M 58 × 0.75
Jena Bm f 2.8/80	FAD	30°	M 49 × 0.75
Trioplan N f 2.8/100	FAD	25°	M 55 × 0.75
Jena Bm f 2.8/120	FAD	21.5°	M 67 × 0.75
Primotar f 3.5/135	PD	18°	M 55 × 0.75
Jena S f 4/135***	FAD	18.5°	M 49 × 0.75
Jena S f 2.8/180	FAD	14°	M 86 × 1
Orestegor f 4/200	PD	12°	M 58 × 0.75
Jena S f 4/300	PD	8°	M 77 × 0.75
Tele-Megor f 4.5/300	PD	8°	M 82 × 0.75
Tele-Megor f 5.5/400	PD	6°	M 82 × 0.75
Jena Telephoto f 8/500	Normal Iris	5°	M 77 × 0.75
Jena Catoptric Lens f 4/500	No diaphragm	5°	Built-in filter turret
Jena Catoptric Lens f 5.6/1000	No diaphragm	2.5°	Built-in filter turret

* PD=Pre-set diaphragm, FAD=Fully-automatic diaphragm.

** With extra-long helical thread for close-up focusing down to 6 1/4" In. without special accessories.

*** With extra-long helical thread for close-up focusing down to 3 1/2 ft. without special accessories.

With the EXA I, lenses with focal lengths from 75 to 120 mm and also the Jena S f 4/135 mm will cause slight marginal vignetting on the long sides of the image; all other long-focus lenses will cause marked vignetting.

Accessories

for EXAKTA Vorex and EXA cameras

Leather Ever-Ready Case for all three models

Lens Hoods with screw-in mount in sizes M 35.5 × 0.5 mm, M 40.5 × 0.5 mm, and M 49 × 0.75 mm (push-on mount diam. 37, 42, and 51 mm)

Giant Release Button for increasing the contact area of the release knob (particularly useful in winter)

Polarizing Filters with screw-in mounts: M 35.5 × 0.5 mm, M 40.5 × 0.5 mm, and M 49 × 0.75 mm (push-on mount diam. 37, 42, and 51 mm)

Penta Prism for EXA I and EXAKTA Vorex

Eyepiece for Penta Prism (and for built-in Penta Prism of EXA IIa)

Accessory Shoe (for attachment to Penta Prism and built-in Penta Prism of EXA IIa)

Distance Meter for Finder Hood, Penta Prism, and Lens Magnifier

Two-in-One Ring for close-up pictures

Fresnel Lens for Finder Hood, Penta Prism, and Lens Magnifier

One Set of Bayonet Rings and Tubes (5, 15, and 30 mm) for close-ups

Autocouple Extension Release for close-up pictures using fully-automatic lenses

Miniature Bellows Attachment (not recommended for use with EXA I)

IHAGEE "Vielzweck":

Swing Angle Attachment with focusing slide for convenient close-up focusing when using Bayonet Rings, Tubes, and Tripod

Large Bellows Attachment with focusing slide (extension range 35–220 mm)

Transparency Copy Equipment for use with Bellows Attachment, for optical copying (both these last two units are not recommended for use with the EXA I)

Copying Stand and Repro Attachment for photo-copying and close-up work (Copying Stand for attaching directly to the camera, Repro Attachment for use with Bellows Attachment)

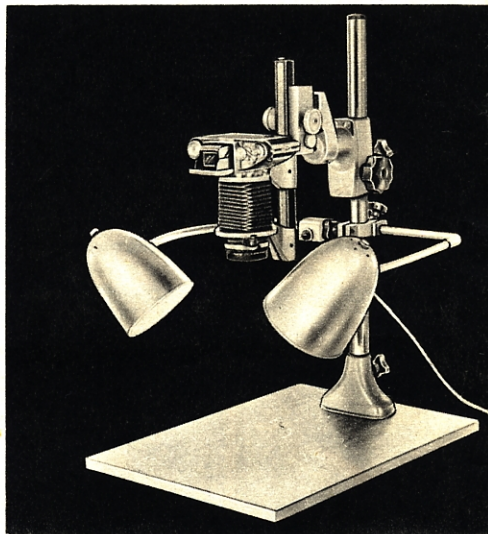
Lighting Equipment for Copying Stand and Repro Attachment

Microscope Attachment for connecting camera to a microscope

EXA EXAKTA

Vorex

Repro Attachment with Lighting Equipment



Ihagee Macro-Micro Photometer for macrophotography and photomicrography

Ihagee Ring Flash Unit RB 1 for macrophotography and Ihagee Endoscope Adapter for taking photographs within hollow cavities (particularly body cavities) with the EXAKTA Vorex

Lens Magnifier and Top Lens for close-up and photomicrographic work with the EXAKTA Vorex

Lens Reversal Ring and Adapter Ring for microphotography lenses, for extreme close-up work

A range of valuable focusing aids for the EXAKTA Vorex, such as special focusing magnifiers, plane ground-glass screen, ground-glass with frame-line markings

Large Stereo Attachment 65 mm base (∞ to 2 m = 7ft)

Small Stereo Attachment 12 mm base (2 to 0.15 m = 7 ft to 6 in.)

Stereo View Finder "Stereoflex" for EXA I and EXAKTA Vorex

The technical illustrations may in certain instances differ slightly from the design of the camera and its accessories.

Comprehensive literature is available giving further details of our equipment. Your photographic dealer will be happy to demonstrate our cameras and their accessories.

IHAGEE KAMERAWERK AG DRESDEN A 16

Form 797/225/6309 III/18/97 Ag 91/70/016/63 Made in Germany **E**