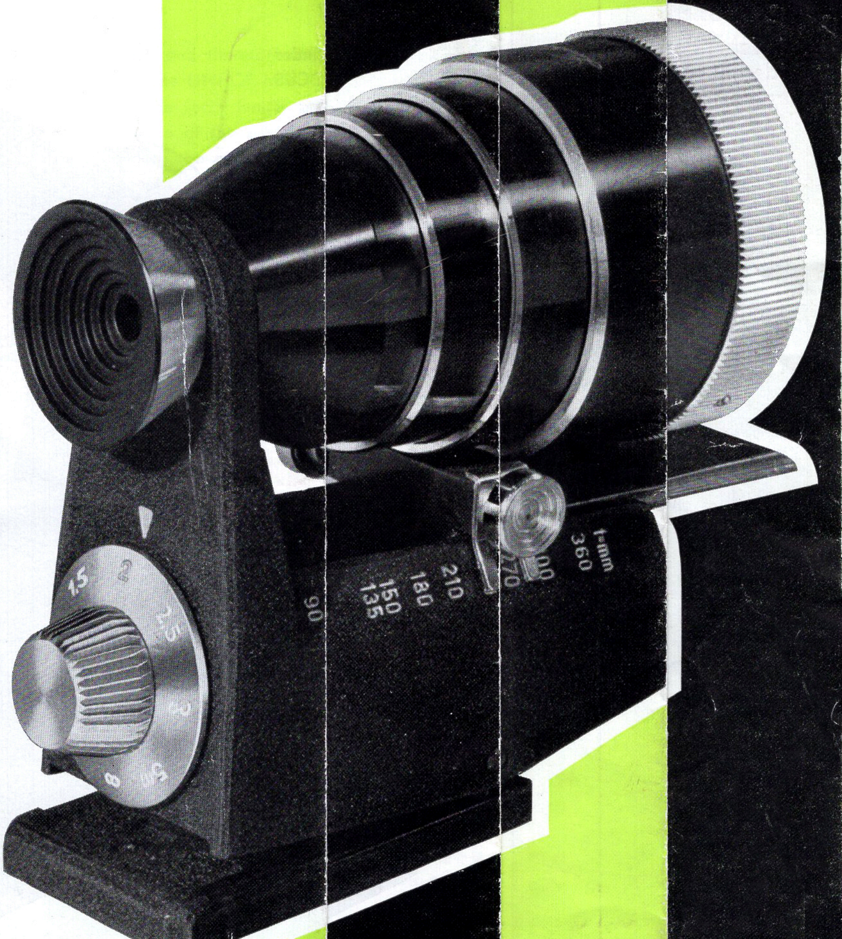
Linhof

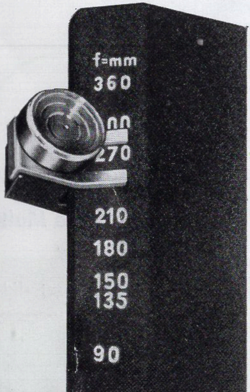
MULTIFOCUS OPTICAL VIEWFINDER



Adjusting the Focal Length on the Optical Multifocus Viewfinder

Today, the photographer must be able to adapt his camera to the most varied situations. In press- or magazine-photography, particularly, he may be called upon to take a close-up and, moments later change to a medium or long shot. This calls not just for a change of lens and rangefinder coupling, but also an accurate adjustment of the viewfinder. The viewfinder image must match the image produced by each lens exactly.

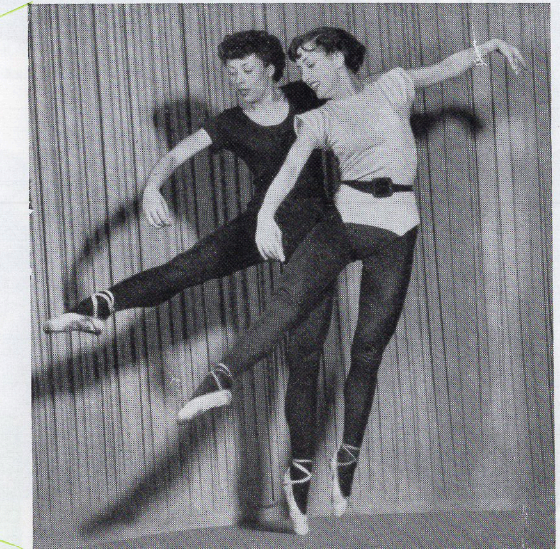
The new LINHOF MULTIFOCUS VIEWFINDER shows the exact field covered by the lens, for any one of nine focal lengths from 90 mm wide-angle to 360 mm tele; the viewfinder image is exceptionally bright and clearly delineated. Before setting the focal lenght, the parallax knob at. the back of the viewfinder must be set to "infinity" (∞).



Adjustment for the desired focal length is made by grasping the two polished knobs at the base of the finder, and sliding the "U"-shaped indicator to the desired focal length. One of the knobs is provided with a click-stop for positive locking (see illustration).

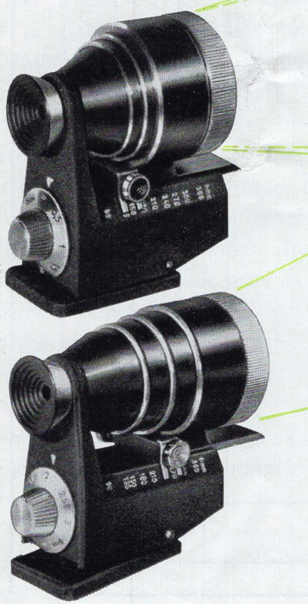
Take a few moments to familiarize yourself with the viewfinder image, while you change the focal lenght setting. You will notice the change of the field from setting to setting, yet the image remains bright throughout – a great advantage particularly under bad light conditions or for night shots. (See illustration on last page.)

The smaller frame within the overall viewfinder image contains the area covered when the 2¼×3¼" adapter is used. The rectangular viewfinder field may be changed, by a quarter turn, for vertical or horizontal to match the position of the revolving back of the camera. Accessory finder masks are available for 2¼×2¼", for use with the Polaroid back, and for the 3¼×4¼" back.



Automatic Compensation for Reduction of Field

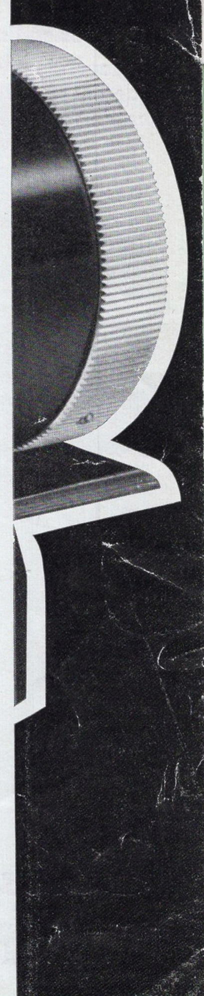
An outstanding feature of the LINHOF MULTIFOCUS VIEWFINDER – never before available in any optical viewfinder – is the coupling of the parallax correction with the focal length setting. Parallax compensation alone does not assure perfect framing in a viewfinder. However the novel design of the LINHOF MULTIFOCUS FINDER eliminates all guess-work.

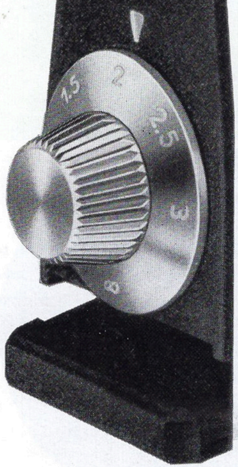


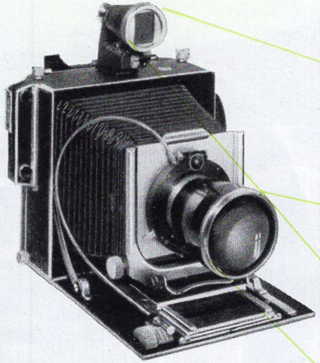
What is Reduction of Field?

At closer distances (approximately 15 feet or less) the height and width of the image area are gradually reduced as the camera is moved in closer. This fact has not been taken into consideration in the design of ordinary optical finders. Rather, a smaller viewfinder frame is used. This compromise, adequate for close-ups, meant that, for middle distance and infinity shots, the viewfinder always showed less than appeared on the film. In other words, some of the film area along the edges was always wasted, whenever the photographer was guided by the viewfinder image. However, the use of the full negative area is obviously desirable to achieve utmost enlargeability particularly for slides and for the graphic arts.

In the LINHOF MULTIFOCUS VIEWFINDER the field is automatically adjusted to match the film image when the parallax correction is set. The LINHOF MULTIFOCUS VIEWFINDER – like the world-famous SUPER TECHNIKA camera – is precision-made and designed for the most critical requirements in advanced photography.



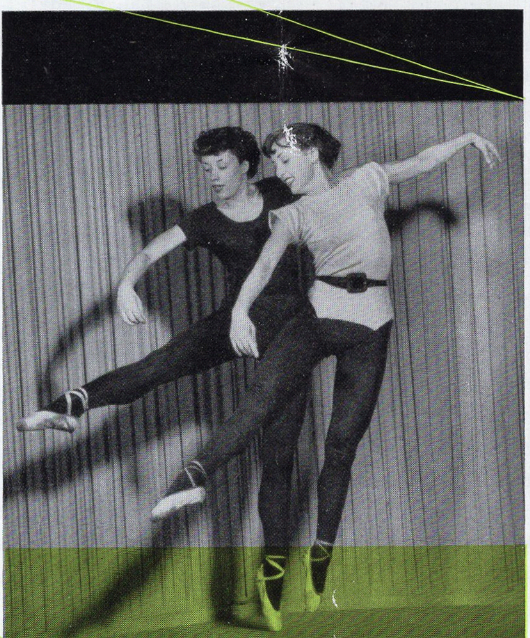


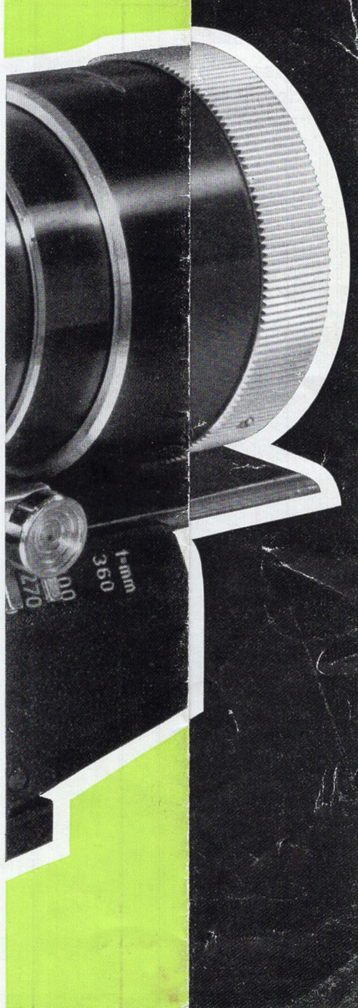


Adjustment for Parallax

Compensation for parallax is essential for exact framing of the subject matter in the viewfinder. The LINHOF MULTIFOCUS VIEWFINDER has a compensating mechanism to correct parallax at all distances from infinity to the nearest distance covered by rangefinder focusing.

Thus you have the assurance that everything you see in the finder, will appear on the film. The precision of this parallax compensation is especially important when long focus or tele-photo lenses are used. The parallax compensation mechanism is individually calibrated at the factory; therefore, the use of the viewfinder assures full utilization of the entire film-area. It permits the photographer to frame the picture perfectly and quickly for press, sports, candid, and existing light shots.

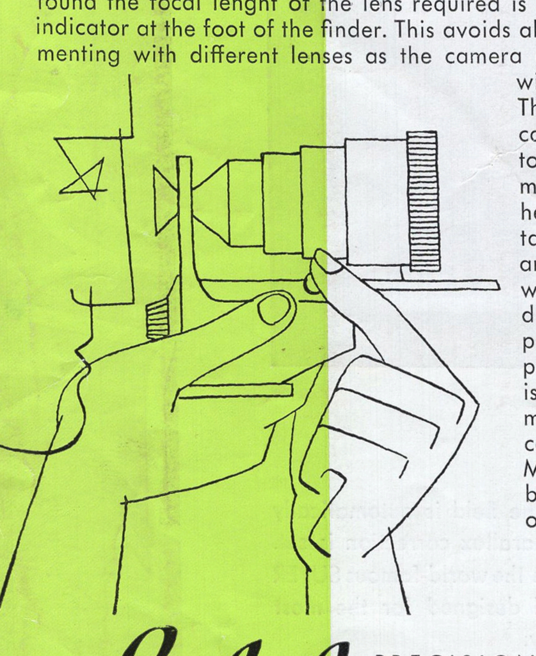




Composing the Picture and Determining the Required Focal Length

Independently from the camera the Linhof Multifocus Viewfinder is ideally suited for composing the picture and determining the most desirable focal length even before the camera is opened. When looking through the Multifocus Viewfinder the picture will be perfectly framed by sliding the finder barrel to the appropriate position. When this is found the focal lenght of the lens required is shown by the U-shaped indicator at the foot of the finder. This avoids all guess-work and experimenting with different lenses as the camera may be set up instantly with the required lens.

There are, however, many cases in which the object to be photographed is limited by its width and height as well as by the taking distance, such as in architectural photography when, for instance, a building must be photographed from a certain viewpoint. Also in this case it is quite easy to predetermine the most suitable focal length by using the Multifocus Viewfinder even before the camera was opened.



Linhof PRECISION CAMERA WORKS
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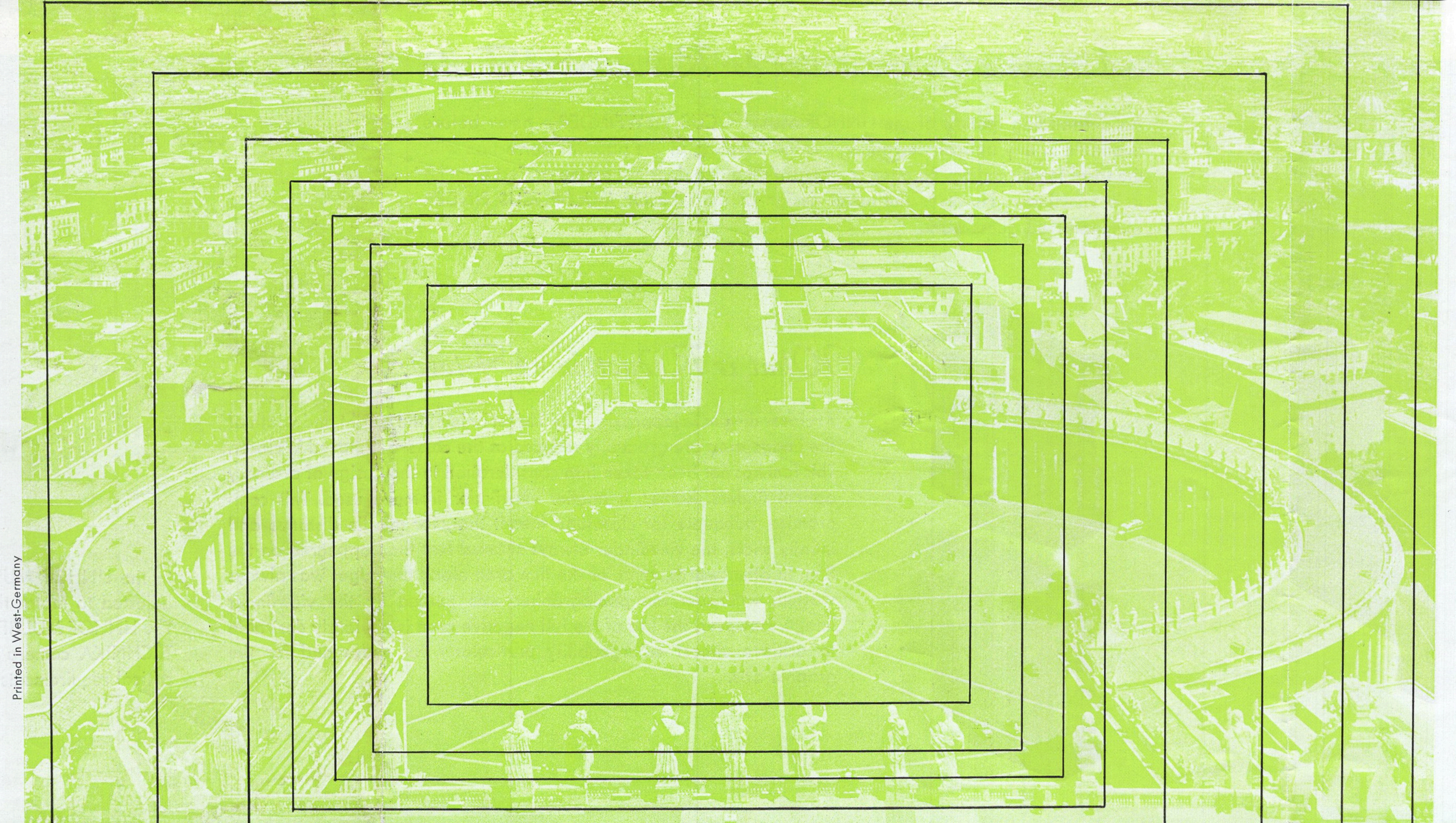
KLING PHOTO CORPORATION NEW YORK 10 – LOS ANGELES 46

Printed in West-Germany



Professional photographers the world over prefer the large-negative camera – such as the LINHOF SUPER TECHNIKA – because of its superior rendering of tonal values, the critical definition obtained in the larger negative, and the greater crispness in color al well as black and withe. A precise viewfinder is a "must" for convenient and fast camera operation, particularly for hand-held shots. To satisfy the demand for a reliable finder LINHOF created the new MULTIFOCUS OPTICAL VIEWFINDER, based upon the practical experience and demands of todays professional photographers. The Multifocus Finder fits the finder shoe of the LINHOF SUPER TECHNIKA 4×5" or 9×12 cm; a precision-made accessory shoe is available for mounting the Multifocus Viewfinder on other 4×5" (9×12 cm) cameras.

The Multifocus Viewfinder is available in two models:

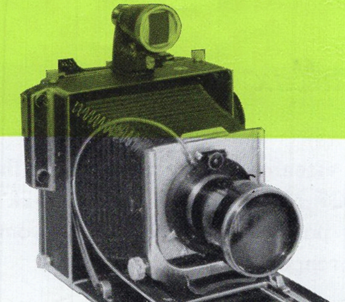
For the 4×5" size with masking lines for 2¼×3¼".

For the 9×12 cm size with masking frame for 6×9 cm negative.

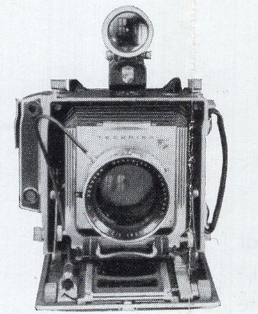
The parallax correction knob is supplied with metric or foot calibration.

(An Optical Multifocus Viewfinder for the Super Technika 5×7" (13×18 cm) will be available soon.)

For all Press-type Cameras



SUPER TECHNIKA
13x18 cm / 5x7 in.



SUPER TECHNIKA
9x12 cm / 4x5 in.

SPEED GRAPHIC
4x5 in.

A

Eyepiece

The eyepiece conveniently locates the eye so that the entire finder frame can be observed. For the convenience of eye-glass wearers, the ocular may be removed. However, it is important that the finder image be viewed through the center of the ocular lens.

B

Parallax Adjustment

Turn the parallax knob to the distance indicated by the camera distance scale. This setting not only corrects for parallax but also for reduction of field. The parallax compensating knob can be turned only when the focal length indicator has clicked into position.

C

Finder Base

with built-in Cams for Parallax Correction and Reduction of Field Compensation. — The optical components of the finder are built upon a solid cast base which fits on the camera accessory shoe. On the SUPER TECHNIKA camera, the accessory shoe is in perfect alignment with the optical axis of the camera.

D

Telescopic Finder Barral

In the illustration the finder is set for a 90 mm lens and therefore the finder barrel is completely retracted. The optical system of the LINHOF MULTIFOCUS VIEWFINDER resembles a "zoom" lens; thus when the focal length setting is changed on the finder, it not only affects the framing of the subject but the degree of magnification of the finder image. This has the obvious advantage that the finder image of a distant subject in a telephoto shot is enlarged for easier viewing and observation.

E

Finder Lens

The inner surface of the front lens contains the silvered mask for the 4×5" size. It also has a line frame for use with the 2¼×3¼ Rollex adapter, and a cross-hair centering mark. The front lens can be rotated for vertical-horizontal to conform with the position of the revolving back of the camera.

F

Focal length Indicator with Click-Stops

The "U"-shaped indicator can be moved along the focal length scale if the setting knob on the opposite side is depressed. The focal length indicator must not be set between two focal lengths. (When used with a 127 mm lens, set the focal length scale of the finder to 135 mm.) NOTE: The focal length setting can be made only when the parallax knob is set at infinity.

G

Foot of the Multifocus Viewfinder

The finder foot slides into the camera accessory shoe.