

Cambo Wide

operating instructions



Model 470

Model 580

Model 650

Model 750

Model 900

Model 1000

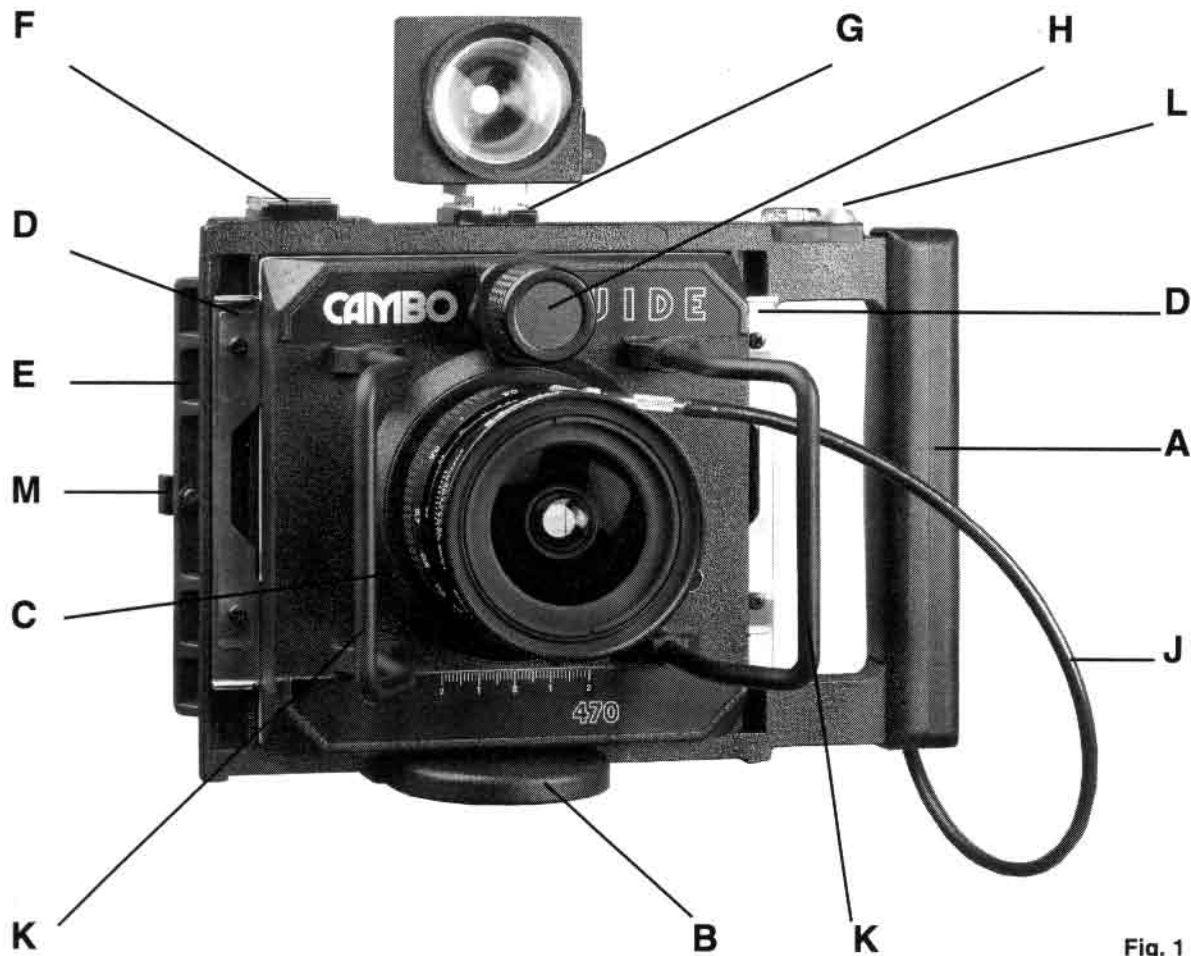


Fig. 1

Cambo Wide

Instruction Manual

Cambo Wide Components & Controls (Fig. 1)

- A: Sure-Grip Handle
- B: 3/8" Thread for Tripod Mounting
- C: Helical Focusing Mount
- D: Lens Panel Lock/Release Bar
- E: Standard "Grafflock" Back
- F: Accessory Shoe
- G: Viewfinder Mounting Shoe
- H: Shift Control Knob (with locking ring)
- J: Cable Release
- K: Lens Guard Bars
- L: Built-in Spirit Levels
- M: Viewing Hood Release Tab

Features:

- Simple, compact design - extremely portable
- All structural parts made of diecast aluminium alloy - rugged construction
- Interchangeable lenses/lens panels - six lens combinations available
- Helical focusing lens mounts - no bellows required
- Vertical or horizontal lens shifts - full coverage "correction"
- Several film format options - utilize roll or sheet film
- Multiple viewing accessories - hand held or tripod mount
- International lock spring back - removable for alternative film backs
- Dual axis spirit level - accurate leveling of camera
- Filter holder incorporated in lens panel - behind-the-lens filtration
- Cable release built into sure-grip handle - easy shutter release

Specifications:

- Weight (with 58mm lens): 1,75 kg
- Size (with 58mm lens): 21,8 cm x 16 cm x 13,5 cm
- Lens Shift (vertical or horizontal):

Model 470	47mm lens	+/- 20 mm
Model 580	58mm lens	+/- 20 mm
Model 650	65mm lens	+/- 20 mm
Model 750	75mm lens	+/- 20 mm
Model 900	90mm lens	+/- 20 mm
Model 1000	100mm lens	+/- 20 mm

Cambo Wide Operating Instruction

The Cambo Wide is available in six different models, each equipped with a different Schneider lens and lens panel combination. Your camera is designed to accept any of these lens/lens panel combinations.

Note: Each lens panel is designed specially for the lens that accompanies it and cannot be used with any other focal length lens or lens design

Camera Assembly

The Cambo Wide consists of two parts, the camera back and the lens/lens panel. Remove both parts from their packaging. Remove the rear lens cap. The lens panel is square and can be attached to the camera back assembly in any position, depending upon which format- horizontal or vertical- you wish to use (see Format Selection below). Once the panel is inserted into the front of the camera, lock it into position by sliding down both of the lens panel lock/release bars (D) (Fig .2).

Attach the cable release (J) to the lens. Slide the optical viewfinder* into the center shoe mount (H). Install the viewing hood* onto the back by sliding the release tab (M) on the ground glass back, inserting the hood under the small lip opposite the tab, and then, sliding the tab toward the hood to lock it in place.

*Optional Accessory



Fig. 2

Format Selection

The ground glass back of the Cambo Wide is stationary. To change from a horizontal to a vertical format the tripod head is tilted 90°.

Shift control movement relative to the format chosen are determined by the position in which the lens panel is attached to the camera. For lateral shift control on horizontal format photographs, or vertical shift control on vertical format photographs, the lens panel should be attached with the control knob directly below the viewfinder mounting shoe. For vertical shift control on horizontal format photographs, or lateral shift control on vertical format photographs, the lens panel should be rotated 90° and reattached (Fig. 3).

The lens is shifted on the lens panel by turning the Shift Control Knob (G). When the lens is in the desired position, lock it into position by turning the locking (behind Shift Control Knob) counter-clockwise.

Note: Tripod mounting block interferes with shift in one of the four directions, depending on position of the camera



Fig. 3

Viewing, Composing and Focusing

Critical viewing, composing and focusing with the Cambo Wide is done on the ground glass. In non-critical situations, composing is accomplished with optical viewfinders and the camera focused using the distance scale on the helical focusing mount. Both of these options make it feasible to “hand hold” the Cambo Wide, though care should be taken to level the camera.

It is recommended that the framing through the viewfinder be compared with the scene on the ground glass.

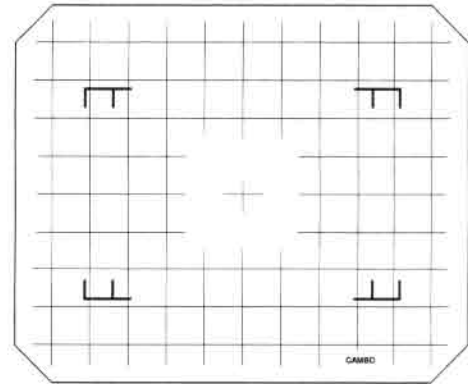


Fig. 4

Roll film “crop marks” are provided on the ground glass for use with the roll film holders.

Viewing hoods are available to facilitate composing and/or focusing on the ground glass. (see “Accessories” section)

The use of a focusing magnifier or lupe is recommended for critical focusing.

Camera Movements

Cambo Wide lenses may be shifted either laterally or vertically depending upon the rotation of the lens panel as it is attached to the camera. The amount of shift available is listed in the specifications section.

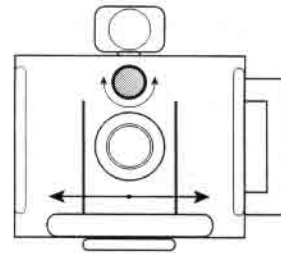


Fig. 5

Lens Coverage

The Cambo Wide is designed to accept a range of different film formats ranging from 6x7 cm to 4x5 inches. A variety of lenses are also available. The lens and format combinations require understanding. Not all lenses are capable of projecting an image to cover the 4x5 inch format.

This illustration shows the image circle projected by each lens. The image circle is the diameter of usable image area projected by a lens focused at infinity and set at a particular aperture (usually f/22). It is important to select a compatible lens/format combination for full format coverage.

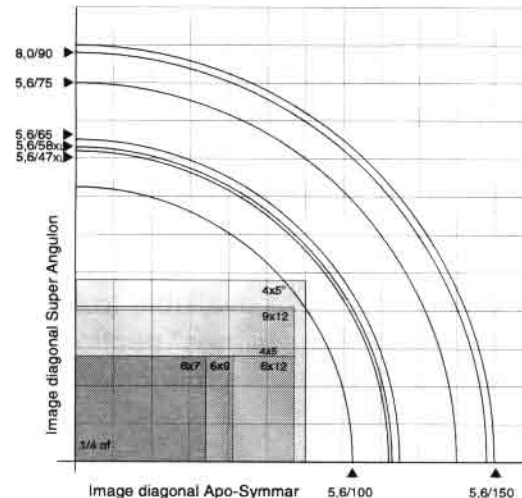


Fig. 6

The 47 XL (166 mm image circle), the 58 XL (166 mm image circle), the 65 mm (170 mm image circle), the 75 mm (198 mm image circle) and the 90 mm (216 mm image circle) Super-Angulon lenses will cover all formats, including 4x5 inches, with full shift capabilities. The 100 mm Symmar (143 mm image circle) is not a wide-angle lens design, and will cover up to 6x9 cm, with limited movements, or 6x12 cm, without movements.

Note: Always check for vignetting in the corners when using maximum shifts, because of the limited image circles of some of the lenses in relation to the used film format

Film Format Selection

The Cambo Wide will accept a range of film formats, from 6x7 cm to 4x5 inches.

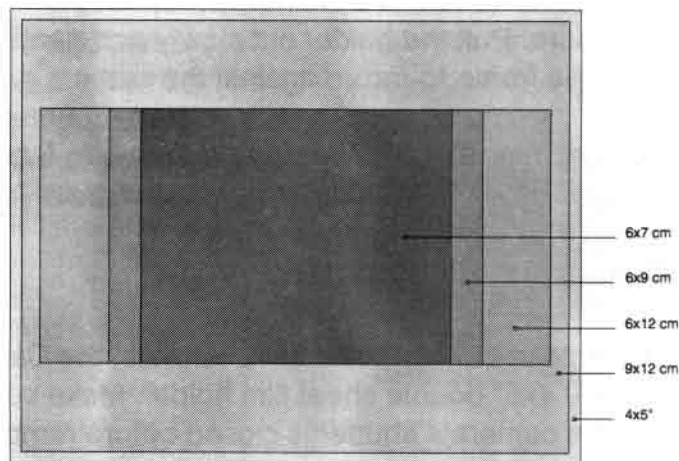


Fig. 7

4x5" Sheet Film Holders

The camera has the 4x5 inch ground glass back installed and is ready to accept any standard 4x5 inch double sheet film holder. When inserting the holder, it is recommended that the thumb be placed against the camera while pulling the ground glass frame away from the camera with your index finger. This procedure will reduce camera stress as well as the chance of camera movement. To remove the holder, repeat the procedure. Pull the holder out slowly and gently allow the frame to return against the camera.

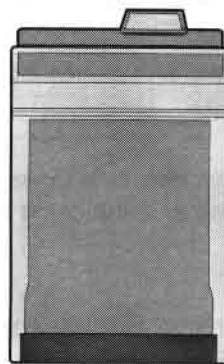


Fig. 8

Warning: *Allowing the frame to "snap" back with its own tension could cause the ground glass to break.*

Cambo Roll film holders

Available in 6x7, 6x9 and 6x12 formats, the Cambo Roll Film Holders can be inserted like any 4x5" double sheet film holder. Make sure that the holder is properly seated, and the camera's shutter is closed before removing the dark slide.

Installing International or “Graflock” Roll film holders

The mounting of “Graflock”, or clip-on 120 or 220 mm roll film holders on the Cambo Wide, requires the removal of the ground glass frame. With the camera in the horizontal position, depress both spring-loaded, gripped bars on either side of the frame and slide the frame to the right until it releases from the camera. Place the roll film holder against the camera and lock it into position by pushing the “Graflock” sliding bars to the right.

After using the roll film holder, remove it and install the ground glass frame. Place it against the back while positioning the hooks of the frame’s spring-loaded gripped bars into the recessed slots. Depress the gripped bars and slide the frame to the left until it stops. Release the bars.

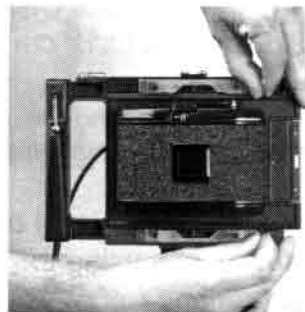
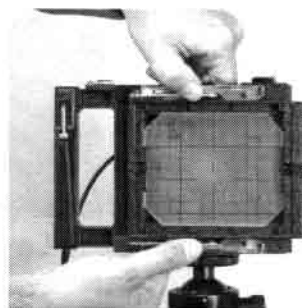


Fig. 9

Cambo Wide Accessories

There are many optional accessories for the Cambo Wide. They are designed to enhance the camera's capabilities and operation.

Optical Viewfinder (W-20)

with Built-in Spirit Level

A high quality optical viewfinder with optional format framing masks for the 470, 580, 650, 750 and 900 models. Choose from 4x5 inch, 6x7 cm, 6x9 cm and 6x12 cm masks to match film formats.

Note: Masks are not included with viewfinder

Note: No masks available for 47 mm/4x5" and 58 mm/4x5"

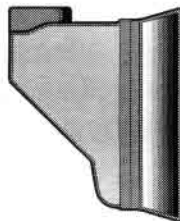
A built-in spirit level can be read directly or "in view" while using the viewfinder facilitating camera leveling during hand held operation.

The Optical Viewfinder mounts in the shoe-mount (H) on top of the Cambo Wide.

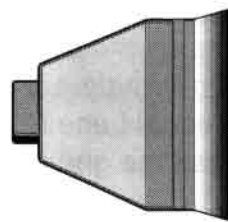


Fig. 10

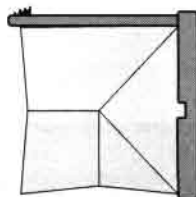
Reflex Viewing Hood (T-20)



In-Line Viewing Hood (T-21)



Folding Viewing Hood (C-292)



Focusing Loupe (C-169)



Fig. 11

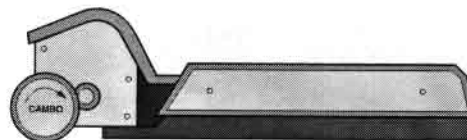
Viewing hoods provide easy viewing of the ground glass. The reflex hood presents “right-side-up” viewing. Direct reading of the ground glass is provided with the in-line hood. The folding hood is compact and protects the ground glass during transport of the camera. The Focusing Loupe is needed for critical ground glass focusing.

Fresnel Lens Screen (C-158)
Super Sharp Focusing Screen (C-143)

The ground glass on the Cambo Wide camera can be replaced with alternative screens. Choices include a Bright Screen to enhance focusing as well as unaligned screens. The Fresnel Lens Screen assists with all viewing screens by providing even illumination across the ground glass.

Cambo Roll Film Holders (on 4x5 inch plate)

(C-240)	6x7 cm 120/220
(C-242)	6x9 cm 120/220
(C-243)	6x12 cm 120/220



Polaroid Film Holders

(C-220)	Model 405
(C-221)	Model 545
(C-217)	Model 550

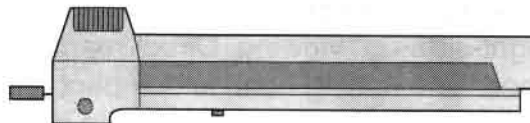


Fig. 12

Center Filters

When working with ultra wide angle lenses, the fall-off illumination towards the corners is sometimes disturbing. Concentrically graduated "center filters" compensate for the light loss. Each center filter is designed specifically for a Super-Angulon lens model.

(W-80) (IIIC)	Center Filter for 47 XL mm Super-Angulon
(W-81) (IIIB)	Center Filter for 58 & 90 mm Super-Angulon
(W-82) (III)	Center Filter for 65 & 75 mm Super-Angulon

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All specifications in this manual are subject to change without notice.