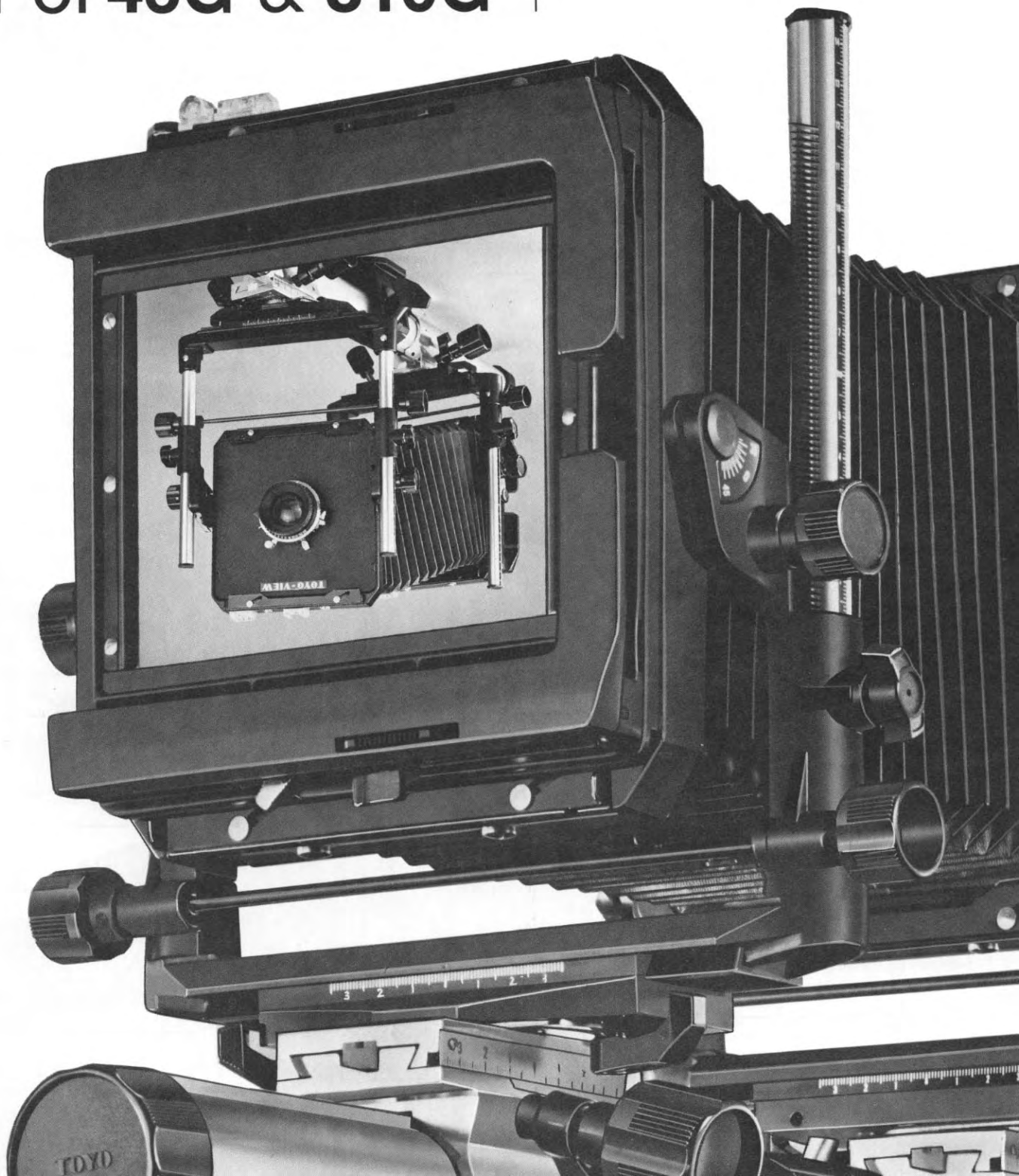


# TOYO-VIEW INSTRUCTION BOOK

## For 45G & 810G

Contents	Page
Special Features .....	2-3
Unpacking .....	4
Assembly .....	4
Mounting the Lens .....	5
Bringing the Camera to the Neutral (Zero) Position .....	5
Basic Operating Procedure .....	6
Camera Movements .....	7
Specifications .....	7



# INTRODUCTION

Congratulations on your choice of a Toyo View Camera. Your Toyo View has been carefully designed and crafted for rugged use on location or in the studio. Treat it with the same good care you would give every precision photographic instrument, and it will provide you with many years of reliable service.

If you have had prior experience in large format photography, you will appreciate the camera's ready adaptability to your creative demands. Some of the operating procedures outlined in this manual will already be familiar to you.

Should your previous photographic activity be limited to the use of smaller format, non-adjustable cameras, your Toyo View will open an exciting new world to you, a world in which you can explore new dimensions in photography that can lead to realization of the finest photographic craftsmanship, control and quality.

# SPECIAL FEATURES OF YOUR TOYO VIEW

## Large Square Lensboard

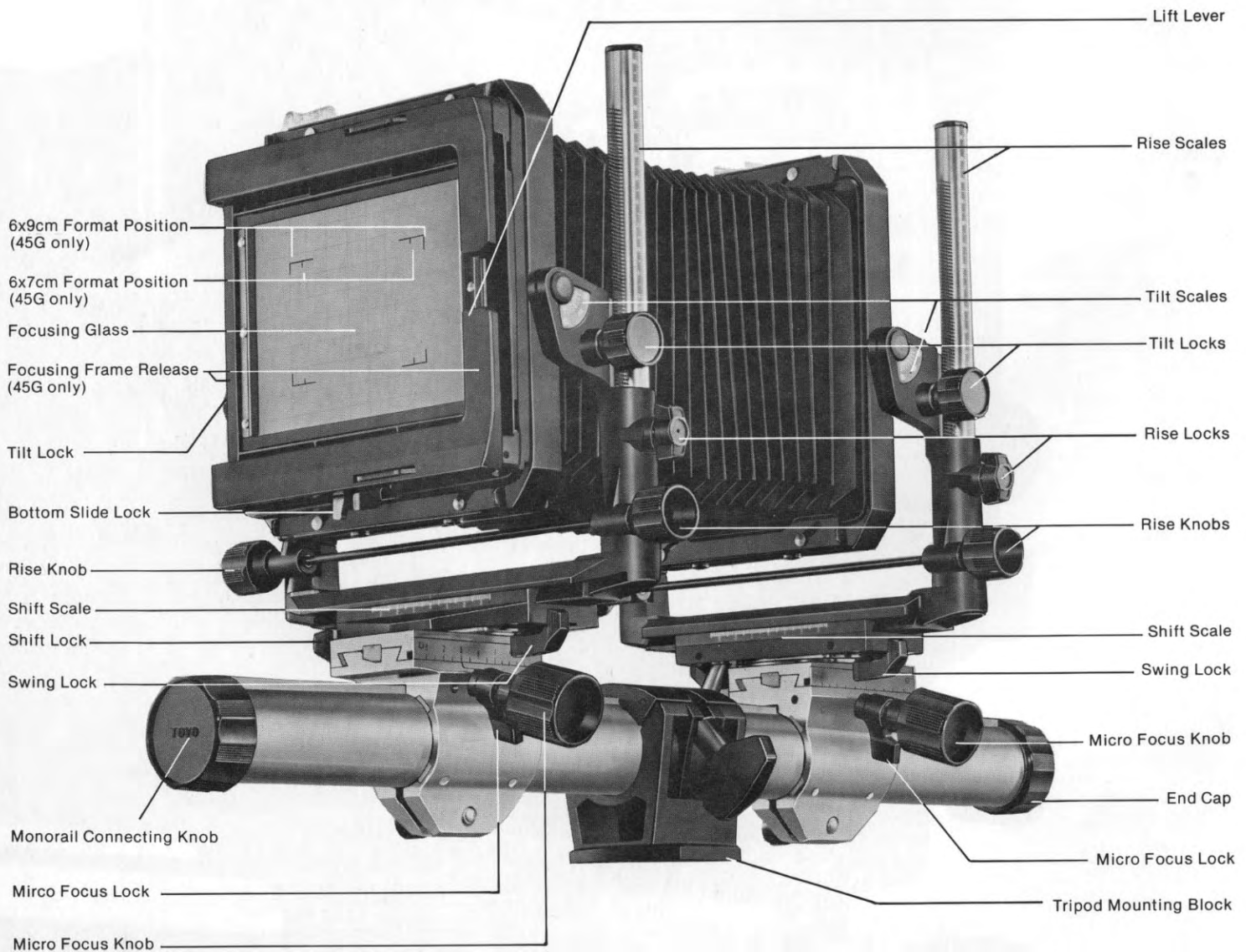
The Toyo View Lensboard will accept almost any size lens and shutter combination. Because the lensboard is square, it can be placed on the camera in any of four positions. This means that the shutter speed and aperture controls can be easily used regardless of camera position.

## Spirit Levels

The horizontal and vertical spirit levels on the camera frame permit convenient positioning of the camera in the neutral position. The levels can also be used to bring the camera back to the vertical position when correcting for vertical distortion.

## The Large Monorail

Toyo View 45G and 810G Cameras both feature a large diameter monorail to insure maximum stability. The rib on the monorail includes a scale calibrated in 10mm increments for convenient determination of bellows extension. The keyway in the tripod mounting block allows the camera to rotate 10° on the monorail to compensate for unevenness of the tripod and to help bring the horizon to the level point.



**Graflok™ Accessories**

The ground glass back can be removed to accommodate Graflok™ type accessories. Simply push down the focusing frame releases and slide the ground glass back off the camera.

**Film Holders**

The Toyo View is designed to accommodate all standard sheet film holders without removing the ground glass focusing frame. 6x7cm and 6x9cm roll film formats are available with the optional roll film adapters.

**Additional Formats**

Your Toyo View is part of a total Toyo View Camera System and is therefore easily converted to any of the other professional formats; whether it be 6x7cm, 6x9cm, 4"x5", 5"x7", or 8"x10".

**Bellows**

The rugged Toyo View Bellows is made of a special extremely flexible material which permits camera movements even with shorter focal length lenses. The bellows is durable, requires no special care, and is interchangeable permitting use of the optional wide angle or extension bellows.

**Revolving Back (4" x 5" Only)**

The revolving back rotates a full 360° so that the image area can be changed from horizontal to vertical without removing the camera back. The rotating feature is also helpful for aligning the image or changing the image position on the ground glass. The bail release simplifies insertion of film holders and opens the back wide enough to accept the Polaroid™\* Land Pack Film Holder Model 405.

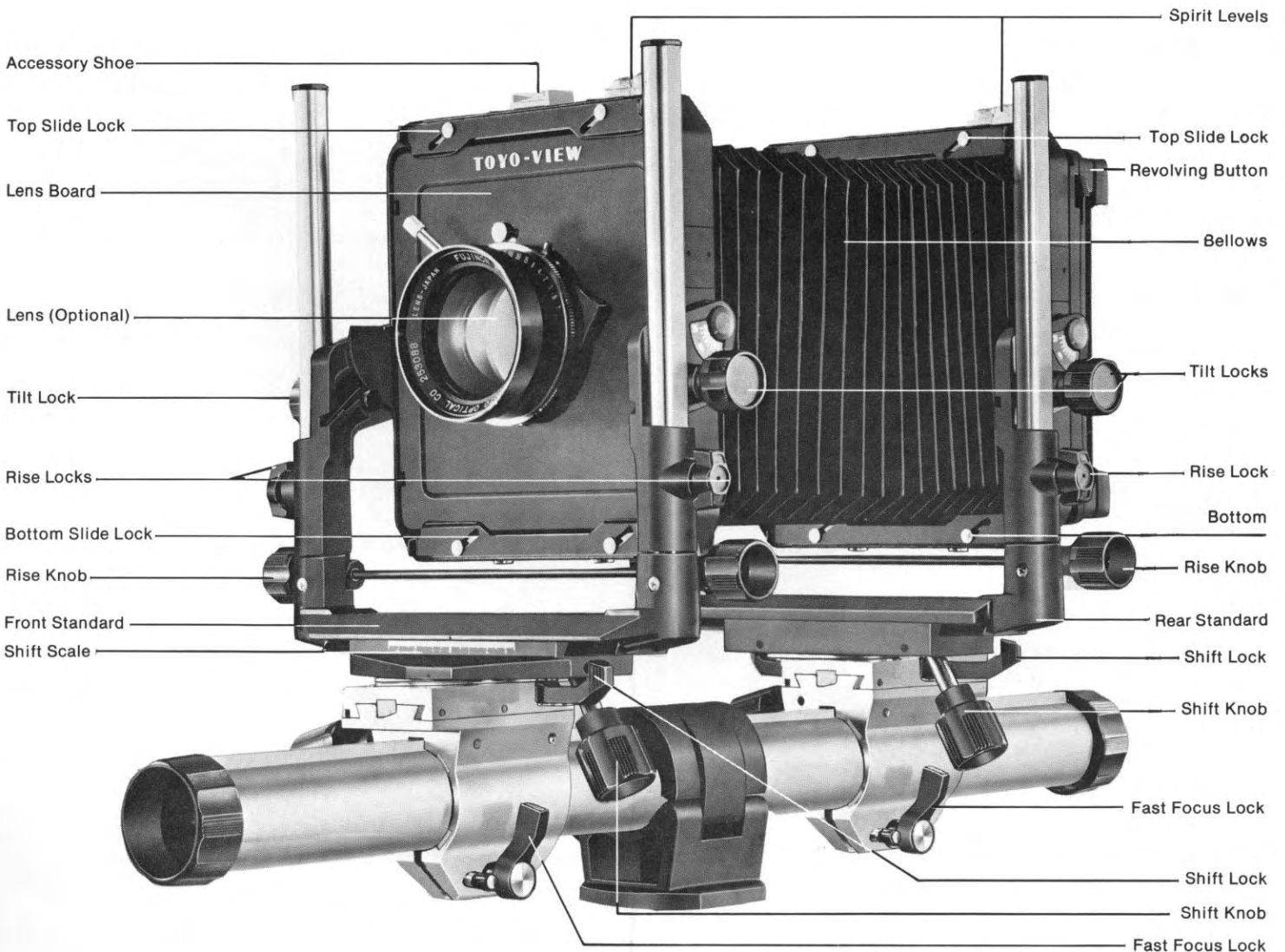
**Recessed Wide Angle Lensboard**

For architectural, scenic and other photography requiring the use of short focal length lenses, the Toyo View Recessed Wide Angle Accessory Lensboard should be used to permit easy focusing and camera movements.

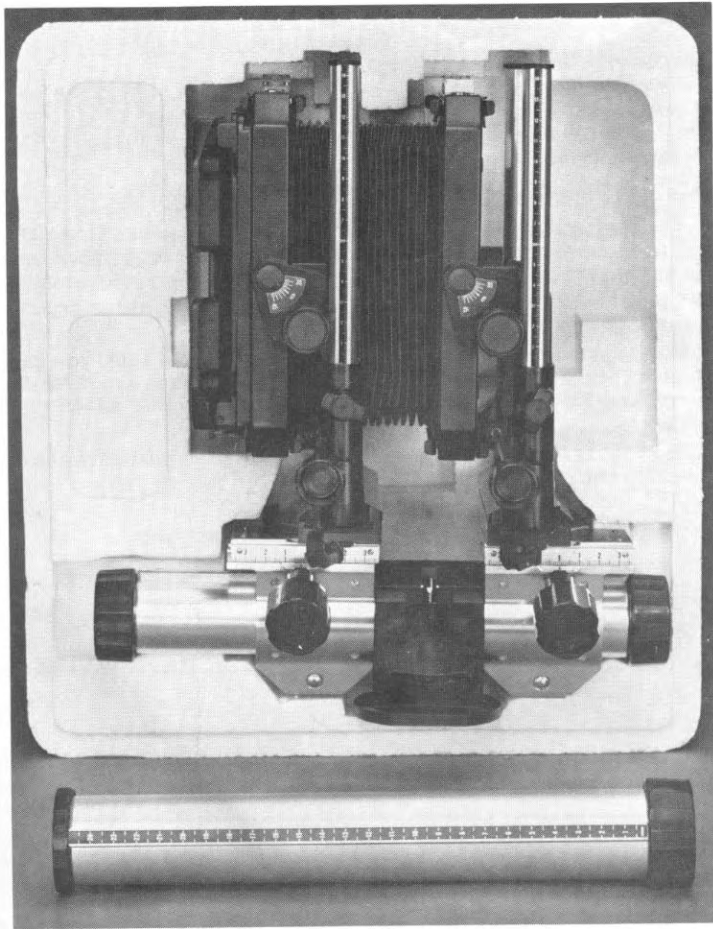
**Ground Glass Viewing**

1. The large ground glass area etched with cm square lines, lets you accurately evaluate and compose the image exactly as it will appear on film.
2. Camera adjustments can be accurately used only with a ground glass screen.
3. When making multiple exposures on one piece of film, you can preplan your composition and draw the layout for each exposure on the ground glass. Use a grease pencil, crayon or other pencil that will wipe off easily.
4. The Fresnel Focusing Screen provides a brighter image for easier focusing and composition.

\*Polaroid is a registered trade mark of the Polaroid Corporation.



# UNPACKING



Your Toyo View has been specially packaged in form-fitted styrofoam. It can be quickly set up or disassembled for ease in carrying or storing in relatively small spaces.

Carefully remove all the Toyo View components from the container, and place them on a clean level surface. You will find the following items: (1) Front and rear standards assembled with bellows, tripod mounting block, ground glass, and blank lensboard mounted on a 250mm monorail. (2) A 250mm monorail extension.

**NOTE:** Save the packaging materials and carton in the event you wish to ship the camera at a later date.

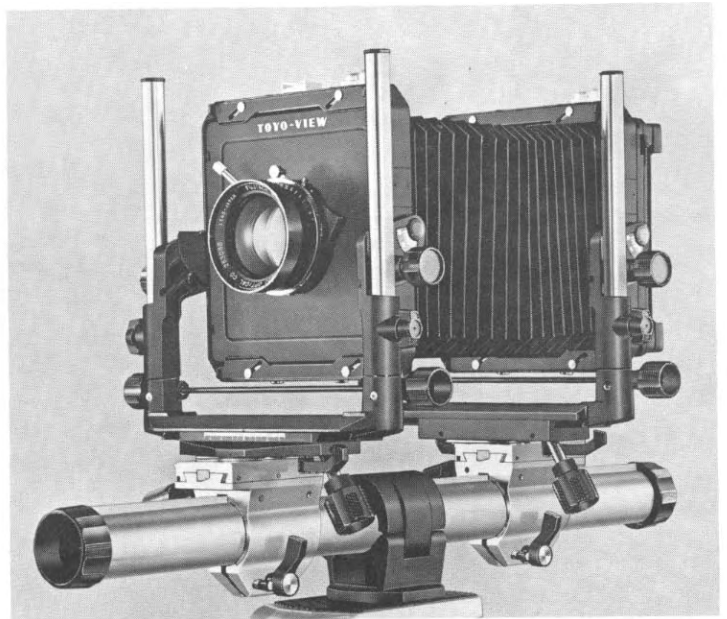
# ASSEMBLY

For ease of assembly, mount the camera on a sturdy tripod by tightening all fast focus levers on the front and rear standards. Tighten the lock knob on the tripod mounting block. (Tighten the lock knobs and levers firmly, but do no overtighten. Excessive force is not required to hold the camera in position). Place your Toyo View on a sturdy tripod, and secure firmly. The Toyo 45G comes with two mounting sockets: one for standard tripods ( $\frac{1}{4}$ x20), and one for European threaded tripods. The Toyo 810G comes with the European tripod thread only.

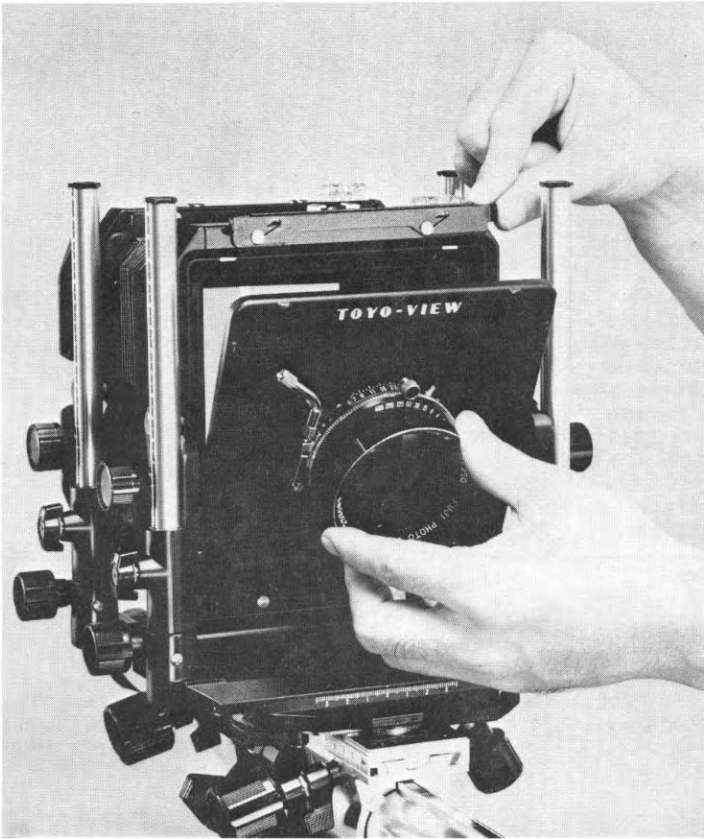
Remove the smaller of the two end caps by turning counter-clockwise.

Remove one of the end caps of the remaining section of monorail, and mount the monorail to the camera assembly. Turning the larger end cap clockwise will secure the monorail extension.

Loosen the fast focus levers and tripod mounting block lock knob and slide the camera along the monorail to center it.



# MOUNTING THE LENS



If a lens was not mounted on the lensboard when your Toyo View was purchased, take the lens and lensboard to a qualified camera service technician for proper mounting. The Technical Service Division of Berkey Marketing Companies will also mount your lens for a nominal charge.

To place the lensboard on the camera:

**1.** Push the top lensboard slide lock up, and the lower lensboard slide lock down.

**NOTE:** Always hold the lens with one hand while engaging or unfastening the slide locks to prevent it from falling.

**2.** Place the lensboard on the camera and return the slide locks to their locked positions.

**3.** The lens diaphragm and speed shutter controls should be accessible.

# BRINGING THE CAMERA TO THE NEUTRAL [ZERO] POSITION

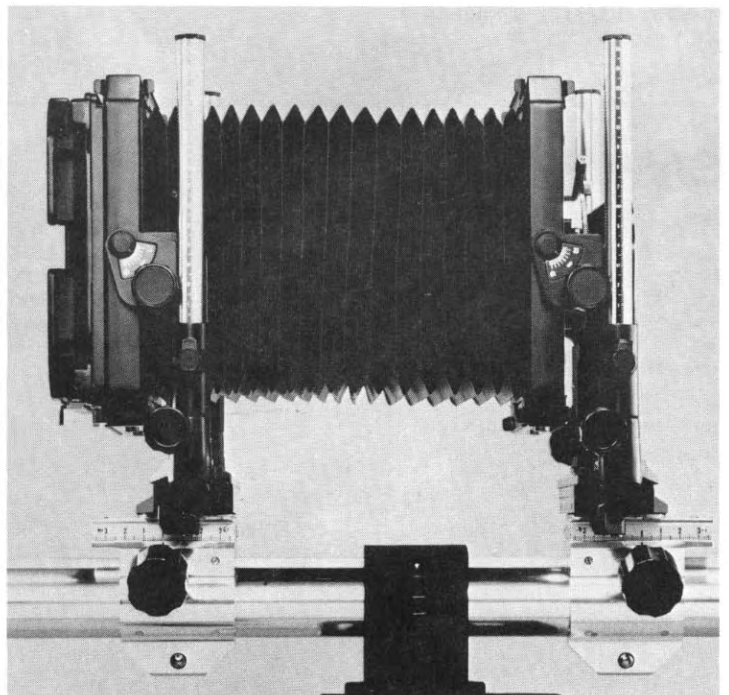
The neutral position is the point where the camera is level. The front and rear standards are vertically and horizontally parallel to each other with no front and back rise or lateral shift. The detents (zero position on the reference scales) for the tilts, swings and lateral shifts will help you bring the camera to a neutral position easily.

**1.** Unfasten the front and rear rise and fall locking levers, and bring the front and rear frames to the lowest position by turning the rise and fall knobs. Relock the levers.

**2.** Unfasten the lateral shift and swing locking levers. Move the front and rear standards to the horizontal position. Lateral shift and swing positions are at zero when the swing detents are engaged and the lateral shifts are set to the zero position on the reference scale. Lock the levers.

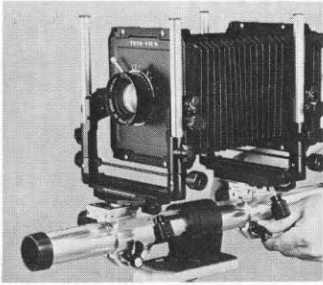
**3.** Unfasten the tilt lock knobs, and set the front and rear standards to the vertical zero position. The vertical tilt positions are at zero when the detents are engaged. Lock the tilt knobs.

**4.** The spirit levels on the front and rear standards will tell you when the entire camera is level.



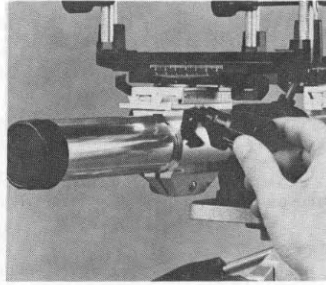
# BASIC OPERATING PROCEDURE

1.



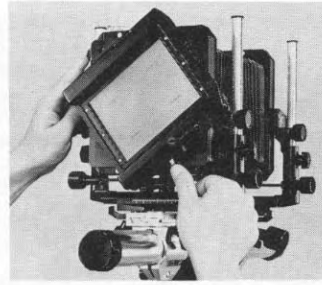
Unlock the rear standard fast focusing locking lever, and slide the rear standard forward or backward on the monorial until the subject comes into focus. It may also be necessary to move the front standard forward. Relock the fast focus locking lever when the image appears sharp.

2.



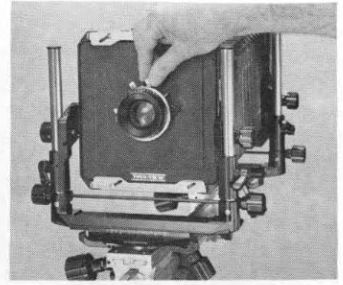
For critical focusing, loosen the micro focus locking lever and turn the micro focusing knob. The rack and pinion mechanism allows for extremely precise focus control.

3.



The revolving back is standard on the 45G, and will rotate a full 360°. Release the brake lever, position the back in any vertical, horizontal or intermediate position, and then secure the brake lever to lock the back in place. Film holders can be easily inserted simply by lifting the bail release.

4.



After composing and focusing, close the lens, set the required f/stop, shutter speed and cock the shutter.

5.

Insert a sheet film holder which has been loaded with the film of your choice. To insert the film holder, lift the bail release which will pull the top of the ground glass frame backward; and slide the holder into position.

6.

Remove the dark slide from the film holder.

7.

Expose the film using a cable release to trip the shutter.

8.

Replace the dark slide, and remove the film holder from camera. The film is ready for processing.

## CAMERA MOVEMENTS

When your Toyo View is in the neutral position, it functions in the same manner as an SLR or other "rigid" camera. Taking advantage of the camera's movements is the key to creative freedom through the control of distortion, sharpness and depth-of-field. The versatility of the Toyo View is characterized by the ability to move its major components vertically, horizontally and laterally. These movements are called tilts, swings, lateral shifts, rising back and rising front.

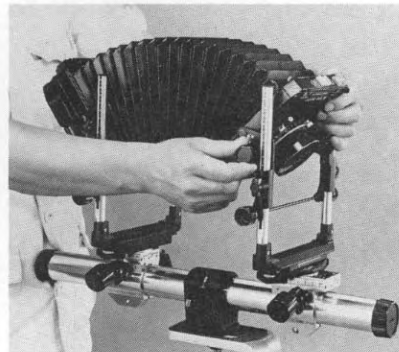
Using camera movements is easy to learn. Just remember these four basic rules:



Rise Movement

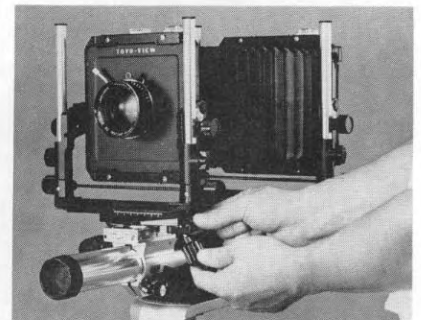
1. Swinging or tilting the camera back controls distortion and depth-of-field.

2. Swinging or tilting the camera front controls sharpness and depth-of-field.



Tilt Movement

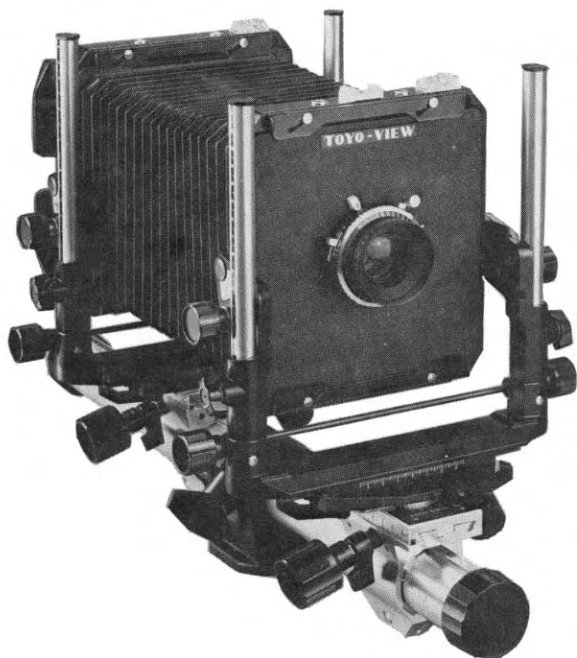
3. Swinging and/or tilting the camera front and back in combination controls distortion, sharpness and depth-of-field.



Lateral Shift Movement

4. The lateral shifts, rising front and rising back control image positioning for improved composition.

# TECHNICAL SPECIFICATIONS



## TOYO VIEW 45G

**Format:** 4"x5". Accepts standard sheet film holders, 545 and 405 Polaroid™ back, film packs and Grafmatic back.

**Additional Formats:** 8"x10" and 5"x7" formats with conversion components. 6x7cm and 6x9cm using Graflex or Mamiya Roll Film Backs with accessory Quick Roll Sliders.

### Camera Movements (Front and Rear)

Tilts .....	+ 45° — 35°
Swings .....	+ 30°
Rise .....	115mm (4.5")
Lateral Shift .....	35mm (1.4")

### Dimensions

Length Overall .....	541mm (21.3")
Height Overall .....	330mm (13")
Width Overall .....	263mm (10.4")
Maximum Extension .....	*750mm (29.5")
Minimum Extension .....	85mm (3.4")
Minimum Extension with Recessed Lens Board .....	41mm (1.6")
Monorail Diameter .....	39mm (1.5")
Weight .....	5.3kg (11.7 lbs.)
Lensboard .....	158mm x 158mm (6.2" x 6.2")

\*\*With Optional Bellows and Monorail Section. Maximum extension Standard Monorail and Bellows 500mm.

## TOYO VIEW 810G

**Format:** 8"x10". Accepts standard sheet film holders, and ideal for Polaroid™ Type 808 Polacolor 2 8"x10" Land film.

**Additional Formats:** 5"x7" and 4"x5" formats with accessory reducing backs. 6x7cm and 6x9cm using Graflex or Mamiya Roll Film Backs with accessory Quick Roll Slider.

### Camera Movements (Front):

Tilts .....	+ 45°, — 35°
Swings .....	+ 30°
Rise .....	170mm (6.7")
Lateral Shift .....	35mm (1.4")

### Camera Movements (Rear):

Tilts (Vertical Format) .....	+ 50°
(Horizontal Format) .....	+ 50°, — 25°
Swings .....	+ 25°
Rise .....	170mm (6.7")
Lateral Shift .....	35mm (1.4")

### Dimensions:

Length Overall .....	790mm (31.1")
Height Overall .....	471mm (18.5")
Width Overall .....	427mm (16.8")
Maximum Extension .....	740mm (29.1")
Minimum Extension .....	74mm (3")
Minimum Extension with Recessed Lens Board .....	36mm (1.4")
Monorail Diameter .....	39mm (1.5")
Weight .....	7.4kg (16.2 lbs.)
Lensboard .....	158mm x 158mm (6.2" x 6.2")

### Accessories

See the Omega View/Toyo Accessories Chart for a complete listing of interchangeable accessories.

