User Manual
Thank You!

Congratulations on your purchase of this high-quality Sinar product. Made from top quality materials it was carefully manufactured and thoroughly tested for performance and reliability. We are very pleased you have chosen Sinar and thank you for your confidence.

Sinar combines highest demands on technology, materials, design and ease of operation. This equally applies to professional cameras, electronics and accessories.

Before use, please read the operating instructions carefully to correctly operate the Sinar p3-df and fully benefit from all the possibilities and advantages.
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1. Scope of Delivery

2. General

Scope of Delivery

- 1x Sinar p3 Case
- 1x Sinar p3-df Camera with Multipurpose Bellows 100 EL
- 1x User Manual

The p3-df SL version comes with the Sliding Adapter instead of the Rear Standard

General

The Sinar p3-df camera is compatible with the Sinar view camera system, so that the entire accessories for the Sinar p3 camera can be used. Release locks have been added to the standards to be used for securing the lens plate and the digital back adapter. Sinar Photography AG emphasizes the importance of securing the standards in order to avoid accidental dropping by careless operation of the locking and opening mechanisms, which may damage the equipment.

Sinar Photography AG will not be liable for any damages on subject to be captured, especially those resulting from dropping.
To benefit from the creative potential of the Sinar p3-df view camera the following operating elements are at your disposal:

1. **Lever for Coarse Focusing**
   Coarse focusing is accomplished by moving the standards into the right position before you start fine adjustments with the fine focusing turning knob (2).

2. **Fine focus drive with depth of field scale**
   Turning knob to fine focus the selected image section.

3. **Fine drive for vertical shifting**
   Turning wheel to horizontally adjust the rear standard.

4. **Fine drive for horizontal shifting**
   Turning wheel to horizontally adjust the rear standard.

5. **Fine drive to tilt the horizontal axis H**
   Turning knob to tilt the front standard.

6. **Fine drive to swing the vertical axis V**
   Turning knob to swing the front standard.

7. **Clamping lever for coarse tilt on the horizontal axis H**
   Allows vertical alignment of the standards with tilted camera, as well as coarse tilt to use the full range of the fine adjustments when defining the plane of sharpness.
Attachment of the camera

With the Rail Clamp 411.21 for higher stability you can mount the Sinar view camera either on the Sinar Pan Tilt Head 516.61 or directly on a tripod.

1. Turn the clamping lever 1 to the right side (release) – Fit Rail Clamp 2 on Sinar Pan Tilt Head or tripod and tighten the tripod screw – Turn the clamping lever 1 to the left side (tighten)

2. Insert Rail Sleeve 2

3. Insert basic rail, fit the bracket, tighten rotary knob 3

4. Slack off the rotary knob 3 a few turns to shift the camera along the rail for balancing or to swivel it about the rail. Slack off by a few turns more to move the camera altogether.

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1. Clamping Lever
2. Rail Track
3. Twist Grip
4. Assembly of the camera

**Assembly of the camera**

Assemble the view camera as follows:

1. Position the base rail in the middle of the rail clamp.
2. Attach the front bearer with the lens standard to the rail element.
3. Attach the rear bearer for the rear standard to the rail element.
4. Assembly of the camera

4. Mount the rear standard or the sliding adapter on the rear bearer.

5. Insert the bellows by placing it on the lower ledge of the frame, then fold up the bellows and attach it to the snap latch.
4. Assembly of the camera

The Release Locks

To prevent accidental release and dropping of the digital back or the lens during studio work, the release locks have to be installed. These are standard on new cameras, also available as spare part with order no. 531.81.000.

To release the lock, slightly lift the button off the standard.

Always make sure to attach the release locks.
5. Mounting of Digital Backs

The camera is supplied without adapters for digital backs. Sinar Photography AG offers separate adapters for Sinar, PaseOne, Leaf and Hasselblad digital backs:

- 552.45.033 SB 54M-86H/Sinar p3 Adapter Kit
- 556.64.030 Sinar p3/Hasselblad V Adapter Kit
- 556.64.032 Sinar p3/Hasselblad H Adapter Kit
- 556.64.036 Sinar p3/Mamiya 645 AF Adapter Kit

The coupling frame for the Sinar p3-df is equipped with a snap lock, so that no tools are required for attaching the adapter plates. The adapter plates are placed on the lower ledge of the frame and then latched in place on the upper edge of the coupling frame.

![Diagram of Mounting Process]

1. **Release the bellows**  
The latch of the bellows is released by pressing the latch button on the top left side.

2. **Release the adapter plate**  
The latch of the adapter plate is released by pressing the latch button on the top right side.

3. **Snap Lock**

Test the secure placement by checking the frame manually.

4. **Adapter**

5. **Digital Back**
6. Mounting of Lenses

Mounting of Lenses

The camera is supplied without a lens board and without a lens. Sinar Photography offers separate lens boards and lenses. In order to safeguard the best possible quality, the mounting of the lenses on a lens board must be performed by Sinar Photography.

- 443.11.005 Lens Board 100, size 0
- 443.11.006 Lens Board 100, size 1
- 443.11.008 Lens Board 100, size 3
- 443.11.xxx Lens Board 100 recessed, size 0

The lens standard of the Sinar p3-df is equipped with a snap latch, so that no tools are required for the attachment of the lens board. The adapter plates are placed on the lower ledge of the frame and then latched in place on the upper edge of the coupling frame. Sinar Photography recommends testing the secure placement by checking the frame manually.

1. **Release the bellows**
The latch of the bellows is released by pressing the latch button on the top right side. You do not have to release the bellows for changing lenses.

2. **Release the lens board**
The latch of the lens board is released by pressing the latch button on the top left side.

3. **Snap lock**

4. **Lens board securing knob**
This knob serves for securing the lens board. The knob must be unscrewed before a lens board is in stalled and reinserted after the lens board is in place in order to secure that board.
7. The Bellows Lens Hood

### Attaching the bellows lens hood

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<td>452.16.010</td>
<td>Tapered Bellows 4x5/100</td>
</tr>
<tr>
<td>472.41.000</td>
<td>Rod Holder 100</td>
</tr>
<tr>
<td>472.51.010</td>
<td>Joint Rod 2</td>
</tr>
<tr>
<td>473.31.000</td>
<td>Bellows Holder Clip</td>
</tr>
<tr>
<td>473.41.000</td>
<td>Bellows-/Filter Holder 100</td>
</tr>
</tbody>
</table>

The following accessories are required for attaching the Sinar Bellows Lens Hood:

The Bellows Lens Hood meets the important quality-enhancing aspect of reducing or completely eliminating laterally incident stray light. Sinar Photography strongly recommends the use of bellows lens hoods at all applicable times.
7. The Bellows Lens Hood

To attach the Sinar bellows lens hood please proceed as follows:

1. Equip your lens with the corresponding lens adapter ring – to this ring you attach the bellows-/filter holder.

2. Affix the rod holder to the bottom of the lens standard and insert the joint rod.

3. The next step is to mount the tapered bellows to the bellows-/filter holder. Then the bellows clip can be attached to the bellows, now insert the joint rod.
8. The Lens Shade

**Attaching the lens shade**

The following accessories are required for attaching the Sinar Bellows Lens Hood:

- 547.81.XXX Adapter Ring
- 493.23.041 Lens Shade p3 / arTec / lanTec

To attach the Sinar lens shade please proceed as follows:

1. Equip your lens with the corresponding lens adapter ring
2. Affix the lens shade to the adapter ring by means of manual fastening screws.
9. The Multipurpose Standard

**Mounting the multipurpose standard**

To mount the multipurpose standard 100 (437.63.000) please proceed as follows:

1. Unscrew the rail cap and extend the rail.
2. Mount the rail extension and refit the rail cap.
3. Release the bellows from the lens- or rear standard.
4. Slide the the rear or front bearer on the mounted extension.
5. Mount the multipurpose standard to the rail.
6. Insert the multipurpose bellows between the lens standard and multipurpose standard.
7. Place the additional multipurpose bellows between the multipurpose standard and the lens standard.

![Multipurpose Standard 100](image)
10. The Sliding Adapter

To attach the Sliding Adapter 100, basic (551.32.19x) please proceed as follows:

1. Loosen the twist grip on the bearer of the lens standard.
2. Release the bellows from the lens standard and remove the lens standard from the bearer.
3. Place the sliding adapter on the bearer.
4. Affix the sliding adapter with the fastening screw.
5. Attach the bellows to the sliding adapter.

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The Sliding Adapter

1. Loosen the twist grip on the bearer of the lens standard.
2. Release the bellows from the lens standard and remove the lens standard from the bearer.
3. Place the sliding adapter on the bearer.
4. Affix the sliding adapter with the fastening screw.
5. Attach the bellows to the sliding adapter.
11. The Plane of Sharpness

The rear standard
Always establish the plane of maximum sharpness before stopping down.

With the rear standard (controls plane of maximum sharpness and perspective)
- Always set the standards vertically with the coarse tilt.
- With the fine focusing drive 2 sharply focus a suitable first image point* on the horizontal axis \( H \) (see picture on page 18) (or on the vertical axis \( V \) for a vertical axis swing).
- With the micro meter drive 3 (or 4 for vertical axis \( V \) swings) focus on a suitable second image point - roughly opposite the first - in the shaded area of the screen or live image.

The front standard
With the front standard (controls plane of maximum sharpness but not perspective)
- Locate the plane of maximum sharpness with the rear standard as described above, then read off the tilt or swing angle. Direct tilting and swinging with the lens standard is not satisfactory as its optical setup always involves an overall sharpness shift.
- Then turn the lens standard – in the same direction (+ or -) – to the same angle.
- Return the rear standard to its zero engagement point.
- Refocus with the fine focusing drive 2 for maximum overall sharpness. Adjust the rear standard for any final corrections to the plane of sharpness.

* If there is no suitable image point on the tilt or swing axis itself, select one nearest to that axis and focus as described. Repeat the adjustment sequence until the image is sharp all over.
After locating and focusing on the plane of maximum sharpness, stop down the lens as far as necessary to extend sharpness at right angles, to this plane. For this purpose, the Sinar cameras have a depth of field scale valid for all lenses. This permits precise adjustment on the ground glass screen or in the live image at full aperture.

- At full aperture focus on the most distant subject point required sharp (i.e. focused with the shortest camera extension).
- Without changing the focus setting, zero the depth of field scale (arrow against index).
- At full aperture focus on the nearest subject point required sharp (i.e. focused with the longest camera extension).
- Read off the working aperture now shown on the scale and set this on the lens.
- Turn the fine focusing drive 2 back through two lens stop intervals on the depth of field scale (shortening the camera extension).
## 13. Technical Data

<table>
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<tr>
<th>Feature</th>
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<tr>
<td>Vertical shift range</td>
<td>4 cms up, 2 cms down</td>
</tr>
<tr>
<td>Horizontal shift range</td>
<td>3 cms to the left, 5 cms to the right</td>
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<tr>
<td>Coarse tilt</td>
<td>± 45°</td>
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<tr>
<td>Fine tilt</td>
<td>± 19°</td>
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<td>Swings</td>
<td>± 50°</td>
</tr>
<tr>
<td>Fine focus</td>
<td>5 cms</td>
</tr>
<tr>
<td>Dimension carrier frame</td>
<td>100 mms</td>
</tr>
<tr>
<td>Tripod adaptation</td>
<td>3/8&quot; thread on rail clamp</td>
</tr>
<tr>
<td>Weight</td>
<td>5.1 kgs</td>
</tr>
<tr>
<td>Lenses</td>
<td>Sinaron, CMV, CPL and eShutter</td>
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<tr>
<td>Interfaces digital backs</td>
<td>Sinar, Leaf, Hasselblad V/H, Mamyia 645 AFD</td>
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14. Accessories

- LC Shutter 100
- Whiteshading Diffusor 100
- Multipurpose Standard 100
- Sliding Adapter 100 - Sinarback
- Sliding Adapter 100 - NON Sinarback
- Focusing Magnifier 2
- Sliding Adapter Interface
- Multipurpose Bellows 100 EL
- Multipurpose Bellows 100 EL, long
- Wide Angle Bellows 100 EL
14. Accessories

- Sinar Pan Tilt Head 2 (516.61.000)
- Geared Rail Clamp (411.71.000)
- Rail Extension 6/15 (421.21.000)
- Rail Extension 12/30 (421.21.000)

- Conversion Set Sinar p2 / p3 (497.13.000)
- Format Reduction Adapter 4x5/100 (553.15.100)
- Joint Rod 2 (427.51.010)

- Rod 11cm (472.61.000)
- Rod 16cm (472.71.000)
- Rod 25cm (472.81.000)

- Bellows Holder Clip (473.31.000)
- Bellows-/Filter Holder 100 (473.41.000)
14. Accessories

- 472.41.000 Rod Holder 100
- 452.16.010 Tapered Bellows 4x5/100
- 493.23.041 Lens Shade arTec / p3 / lanTec
- 536.81.120 Focusing Screen Sinar p3 RV
- 581.01.001 Strain Relief
- 547.81.0X Lens Adapter Ring
- 546.31.010 Swiveling Circular Polarisation Filter
- 475.45.041 Sinar p3 Case
- 475.66.020 Sinar p3 System Case
  Case for p3-df and Accessories
15. The Sinar Core Products

Sinar p-slr

Sinar rePro

Sinar lanTec

Sinar arTec

Sinar eXact Digital Back

Sinar eShutter
Flexibility and Creativity

For more than 60 years, Sinar is the leading manufacturer of view camera systems for professional photography. Sinar stands for exquisite camera precision made in Switzerland as well as for ergonomic design and unlimited creative freedom. All relevant elements for composing the image are available, like swings and tilts or horizontal and vertical shifts. The consistently modular products include digital capture devices, digital lenses, capture software and view cameras. Sinar customers profit from solutions designed as complete imaging systems supplied and supported from a single source. This system approach makes the difference and delivers superb image quality. Inhouse manufacturing, expert know-how in fine mechanics and interaction with specialized suppliers meet the highest demands and ensure best possible products with excellent long-term reliability. Continuous new and further developments guarantee the integration of modern and coming technologies into the flexible Sinar product range.