

sinar⁺ p3-df



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.

Index

1.	Scope of Delivery	4
2.	General	4
3.	The Controls of the Sinar p3-df View Camera	5
4.	Assembly of the camera	6
5.	Mounting of Digital Backs	10
6.	Mounting of Lenses	11
7.	The Bellows Lens Hood	12
8.	The Lens Shade	14
9.	The Multipurpose Standard	15
10.	The Sliding Adapter	16
11.	The Plane of Sharpness	17
12.	Depth of Field	18
13.	Technical Data	19
14.	Accessories	20
15.	The Sinar Core Products	23

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.



3. The Controls of the Sinar p3-df View Camera

The controls of the camera To benefit from the creative potential of the Sinar p3-df view camera the following operating elements are at your disposal:

Please check the secure placement of the lever (7) before you start fine adjustments.



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.

4. Assembly of the camera

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.



1



2



3



4

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.



1



2



3

4. Assembly of the camera

- Assembly of the camera 2**
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.



4a – Rear Standard



4a – Sliding Adapter



5a – Rear Standard



5a – Sliding Adapter



5b – Rear Standard



5b – Sliding Adapter

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

Mounting of digital backs

The camera is supplied without adapters for digital backs. Sinar Photography AG offers separate adapters for Sinar, PasaOne, 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.

Test 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 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

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. 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.

Test 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 installed and reinserted after the lens board is in place in order to secure that board.

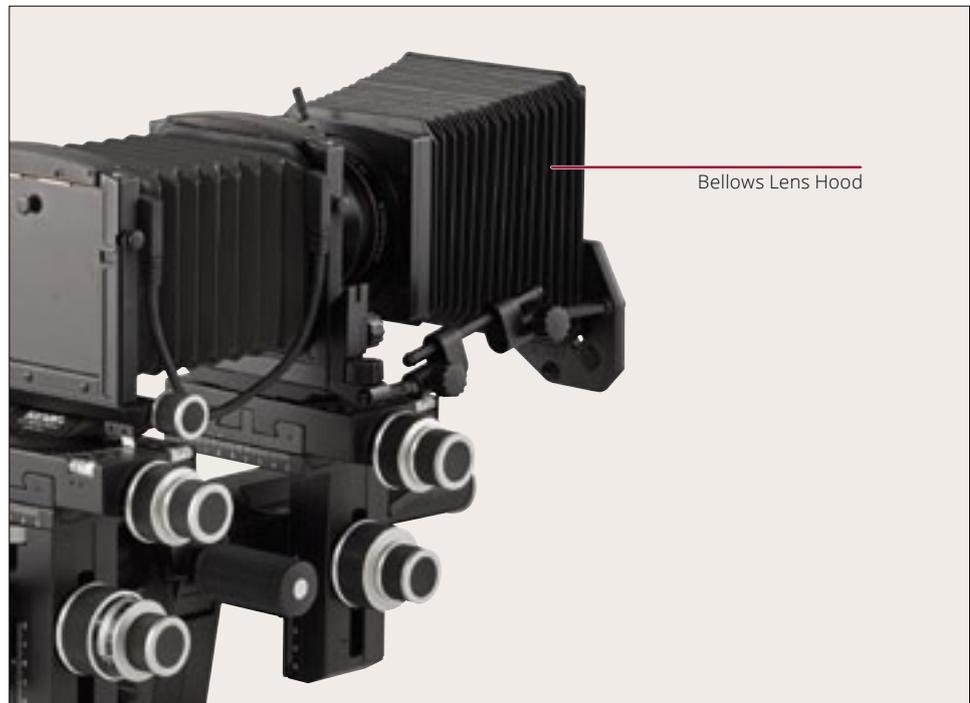
7. The Bellows Lens Hood

Attaching the bellows lens hood

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

452.16.010	Tapered Bellows 4x5/100
472.41.000	Rod Holder 100
472.51.010	Joint Rod 2
473.31.000	Bellows Holder Clip
473.41.000	Bellows-/Filter Holder 100

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

Attaching 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.



Lens Adapter Ring



Bellows-/Filter Holder 100



Rod Holder 100



Joint Rod 2



Tapered Bellows 4x5/100



Bellows Clip



1



2



3a



3b

8. The Lens Shade

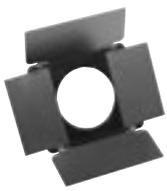
Attaching the lens shade

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.



Lens Shade
p3 / arTec / lanTec



Lens Adapter Ring



1



2



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



1



2



3 + 4



5



6



7

10. The Sliding Adapter

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.



Sliding Adapter 100, basic



1



2a



2b



3 + 4



5

11. The Plane of Sharpness

The rear standard

Always establish the plane of maximum sharpness before stopping down.

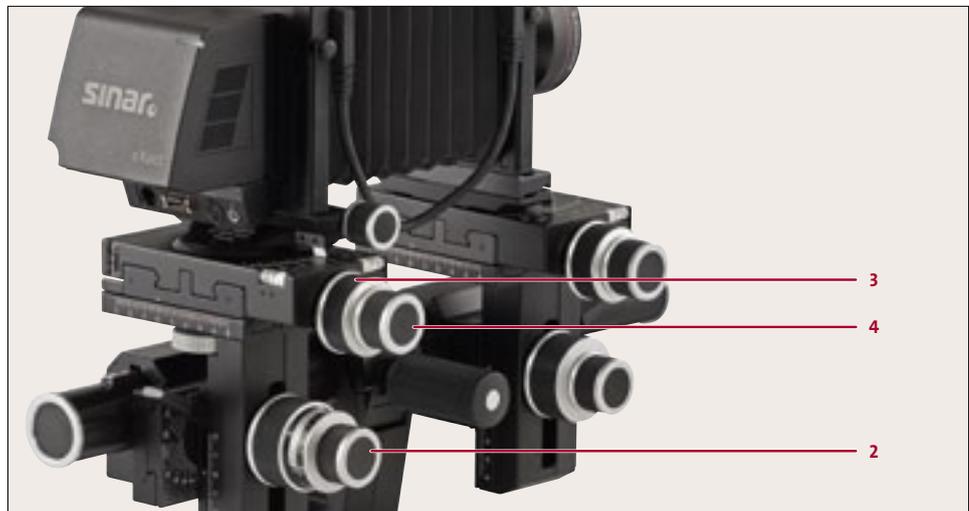
With the rear standard (controls plane of maximum sharpness and perspective)

- 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.



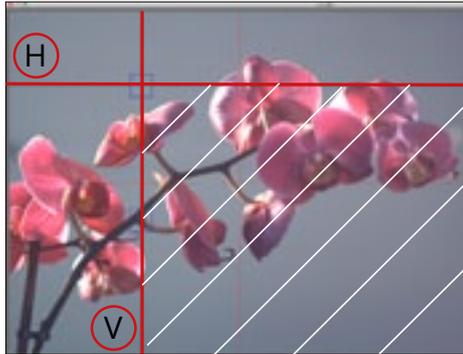
* If there is no suitable image point on the tilt or swing axis itself, select one nearest to that axis and focus as described. Repeat the adjustment sequence until the image is sharp all over.

12. Depth of Field

Depth of Field

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

Vertical shift range	4 cms up 2 cms down
Horizontal shift range	3 cms to the left 5 cms to the right
Coarse tilt	$\pm 45^\circ$
Fine tilt	$\pm 19^\circ$
Swings	$\pm 50^\circ$
Fine focus	5 cms
Dimension carrier frame	100 mms
Tripod adaptation	3/8" thread on rail clamp
Weight	5.1 kgs
Lenses	Sinaron, CMV, CPL and eShutter
Interfaces digital backs	Sinar, Leaf, Hasselblad V/H, Mamyia 645 AFD

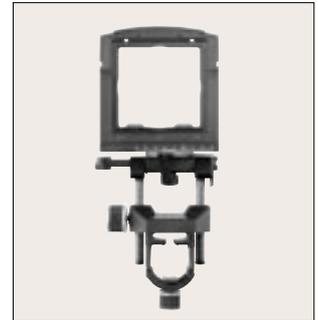
14. Accessories



551.65.020
LC Shutter 100



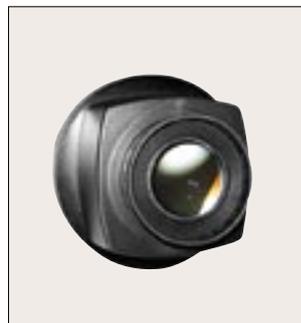
551.43.096
Whiteshading Diffusor 100



437.63.000
Multipurpose Standard 100



551.32.192
Sliding Adapter 100 - Sinarback
551.32.193
Sliding Adapter 100 - NON Sinarback



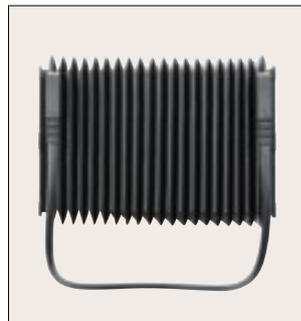
551.32.086
Focusing Magnifier 2



551.32.2XX
Sliding Adapter Interface



454.12.000
Multipurpose Bellows 100 EL



454.12.001
Multipurpose Bellows 100 EL, long



455.12.000
Wide Angle Bellows 100 EL

14. Accessories



516.61.000
Sinar Pan Tilt Head 2



411.71.000
Geared Rail Clamp



421.21.000
Rail Extension 6/15
423.21.000
Rail Extension 12/30



497.13.000
Conversion Set Sinar p2 / p3



553.15.100
Format Reduction Adapter 4x5/100



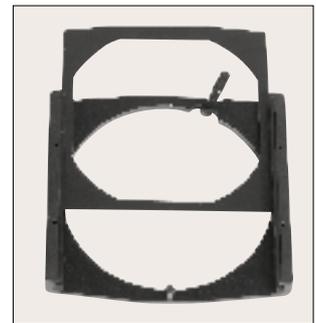
472.51.010
Joint Rod 2



472.61.000 – Rod 11cm
472.71.000 – Rod 16cm
472.81.000 – Rod 25cm



473.31.000
Bellows Holder Clip



473.41.000
Bellows-/Filter Holder 100

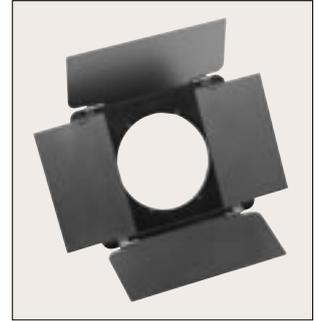
14. Accessories



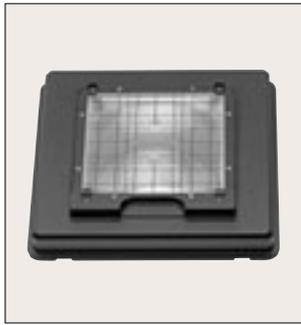
472.41.000
Rod Holder 100



452.16.010
Tapered Bellows 4x5/100



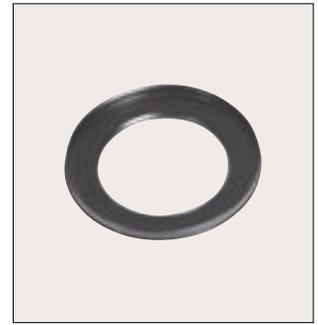
493.23.041
Lens Shade arTec / p3 / lanTec



536.81.120
Focusing Screen Sinar p3 RV



581.01.001
Strain Relief



547.81.0XX
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.