# Flexicam User Manual

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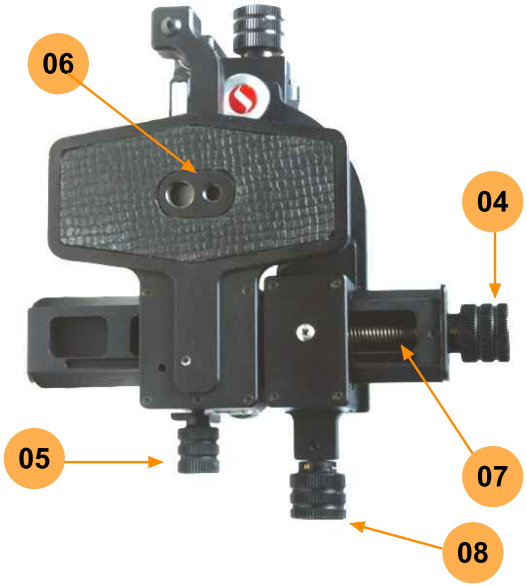
Thank you for choosing the Flexicam, if your work or your passion is quality photography using high resolution digital backs, your choice is very successful.

Flexicam is a camera from the very latest generation, with this camera we want to fulfill the needs of flexibility and compactness of those photographers working outdoor but that do not want to renounce to precision and quality.

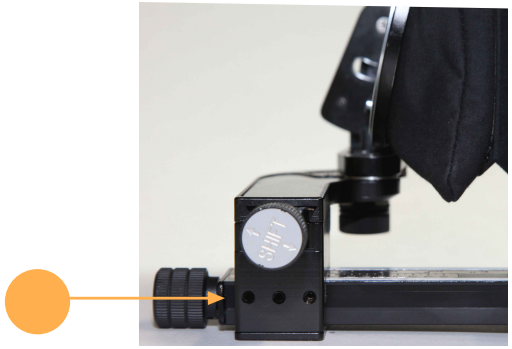
Flexicam performs the correction movements necessary for the perpective controlling and focus extensioning in architectural, still life, industrial photography ecc. The following instructions will make you learn the control elements and the functions of the camera and of its accessories.

View from 3/4 above of the Flexicam camera where various components are visible: the Back with removable ground glass screen, the extendable bellow, digital lens, the knobs for shift, fall, tilt and swing movements.

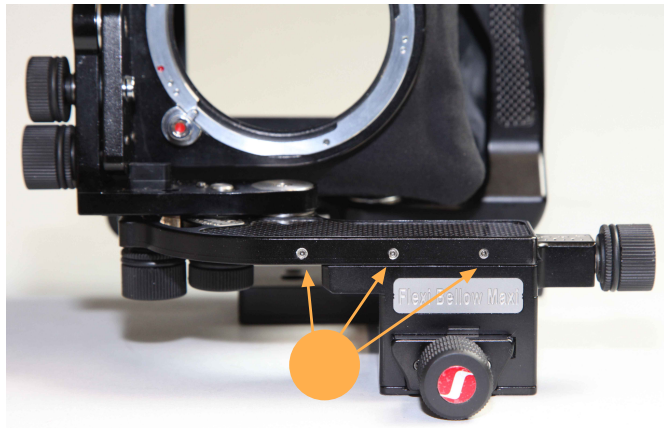



Flexicam seen from below, the large support plain is clearly visible with the two 1/4 and 3/8 threaded holes 06 for the camera fitting on the tripod.
04 Focusing knob
05 Rail slide locking knob
07 Rail
08 Horizontal shift knob

Focusing system:



Side shift:

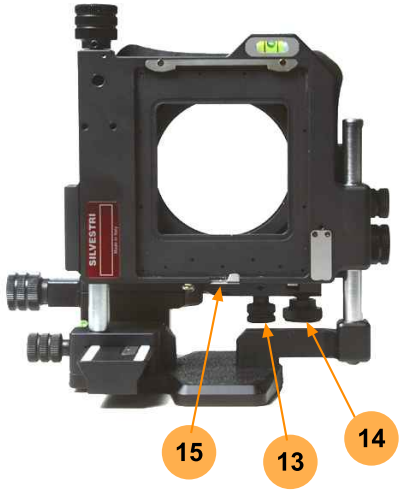


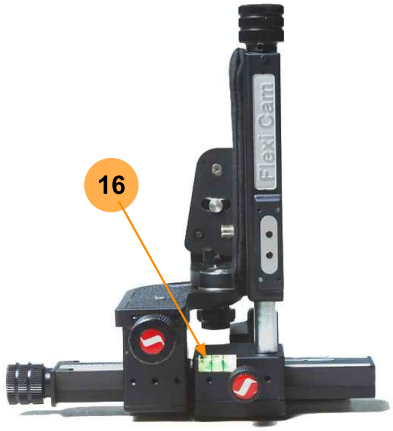
Flexicam ¾ front:

- 09 Lateral positioning level.
- 10 Vertical shift knob
- 11 Tilt locking knob
- 12 Tilt regulation knob
- 13 Swing locking knob
- 14 Swing regulation knob

Flexicam behind:

- 15 Unlocking lever for back accessories
- 13 see above
- 14 see above




Flexicam camera body, left side:

- 16 Lateral level

## Schneider Macro Apo Digitar

| Lens | scale | Recom. working f-stop | Image angle | Image circle diameter | Movement range [mm] vertical / horizontal 24x36 mm | 31x31 mm | 37x37 mm | 36x48 mm | 37x49 mm | 63x63 mm |
|---|---|---|---|---|---|---|---|---|---|---|
| Apo digitar 5.6/80M | 1:4 | 5.6-11 | | | 21 / 18 | 19 / 19 | 14 / 14 | 11 / 8.9 | 9.9 / 8.1 | |
| At scales exceeding 1:1 | 1:2 | 5.6-11 | | | 24 / 20 | 22 / 22 | 17 / 17 | 14 / 12 | 13 / 11 | |
| the lens should not be | 1:1 | 5.6-8 | 28° | 80mm | 24 / 20 | 22 / 22 | 17 / 17 | 14 / 12 | 13 / 11 | |
| stopped down because | 2:1 | 5.6 | 18.6° | 80mm | 24 / 20 | 22 / 22 | 17 / 17 | 14 / 12 | 13 / 11 | |
| of increasing diffraction | 4:1 | 5.6 | 12.6° | 90mm | 29 / 25 | 27 / 27 | 23 / 23 | 20 / 17 | 19 / 17 | 0.6 / 0.6 |
| Apo Digitar 5.6/120 M | 1:4 | 5.6-11 | | | 24 / 20 | 22 / 22 | 17 / 17 | 14 / 12 | 13 / 11 | |
| At scales exceeding 1:1 | 1:2 | 5.6-11 | | | 29 / 25 | 27 / 27 | 23 / 23 | 20 / 17 | 19 / 17 | 0.6 / 0.6 |
| the lens should not be | 1:1 | 5.6-8 | 26° | 110mm | 40 / 36 | 37 / 37 | 33 / 33 | 31 / 28 | 31 / 27 | 14 / 14 |
| stopped down because | 2:1 | 5.6 | 17.4° | 110mm | 40 / 36 | 37 / 37 | 33 / 33 | 31 / 28 | 31 / 27 | 14 / 14 |
| of increasing diffraction | 4:1 | 5.6 | 10.5° | 110mm | 40 / 36 | 37 / 37 | 33 / 33 | 31 / 28 | 31 / 27 | 14 / 14 |

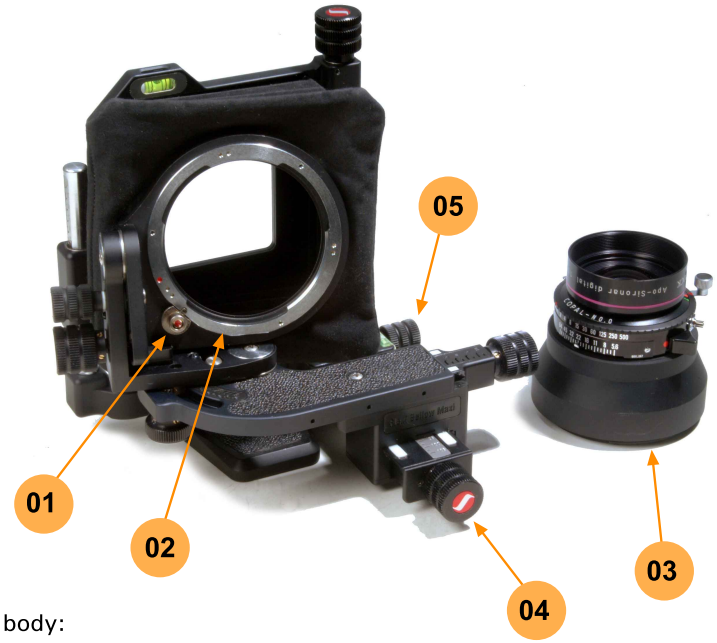
**Care instructions**

! Do not force the rise and fall movement when it gets to the end.

! Be careful of keeping all shifting elements clean.

! Regularly clean the camera's rail with compressed air and paper, to remove dust, sand etc.

! Do not force the shift and tilt movements, make sure you have completely unlocked the locking knobs before using the tilt and swing controls.



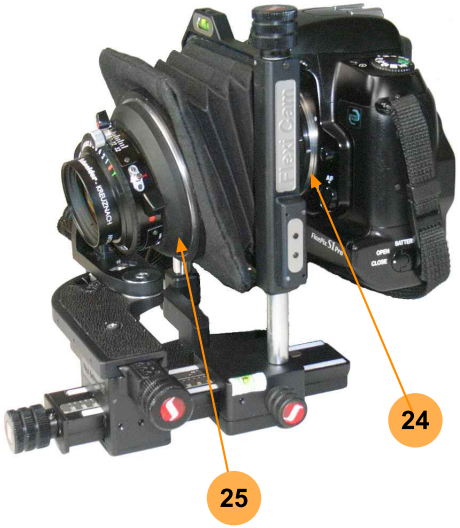

The Flexicam camera body:
- 01 Silvestri bayonet fitting
- 02 Bayonet unlocking button
- 03 Lens in Silvestri bayonet
- 04 Micrometric focusing knob

The Flexicam camera uses lenses mounted in shutter and bayonet fitting. The lens attachment is made by combining the two reference red dots and then rotating the lens clockwise until the locking. To remove the lens, press the unlocking button 02 and rotate the lens anticlockwise.

**Camera adjustment**

The precision of each movement of the camera is adjustable by mean of microscrews, see the following pictures showing where to find the microsrews for each movement:

Flexicam has a rapid extensioning and shortening of the rail; to make the rail sliding, unfasten the 05 knob, slide the rail to the desired position then fasten the knob to lock the rail in position.




- 25 Flexicam can be accessoried specific adapters for the mounting of Canon EOS and Nikon cameras. The adapter has to be attached to the SLR in the first place, then attached to the back of the Flexicam.
- 24 Flexicam transforms the camera in a small view camera that can perform perspective corrections and focus extension, essential movements in the work of still life, jewels, watches, industrial photography.
The lens mounted in Silvestri bayonet should have a focal length of around 100mm.
- Both APS and "full frame" 24x36 cameras can be used. The coverage circle is very large and it ensures the possibility of wide correction movements.

**Flexicam can use a wide range of lenses. These lenses mounted on bayonet rings are very compact and they allow a rapid and precise positioning.**

The lenses in Silvestri bayonet are available with two different shutters: mechanical Copal (24) or Prontor Magnetic (23). This second version, suitable for multishot and microstep has to be controlled by our remote control unit (22).

## Digital Lenses in Bayonet

| Schneider | Copal 0 | Prontor Magnetic | Schneider Electronic |
|---|---|---|---|
| Digitar 2,8/28L | D7202 | 2329K | 2329KS |
| Apo Digitar 5,6/35XL | D7201 | 2240K | 2240KS |
| Apo Digitar 5,6/47XL | D7218 | 2248K | 2248KS |
| Apo Digitar 4/60N | D7206 | 2261K | 2261KS |
| Apo Digitar 5,6/72L | D7207 | 2273K | 2276KS |
| Apo Digitar 4/80N | D7208 | 2281K | 2281KS |
| Apo Digitar 4,5/90N | D7212 | 2291K | 2291KS |
| Apo Digitar 5,6/100N | D7214 | 2214K | 2214KS |

***table 2***

| Rodenstock | Copal 0 | Prontor Magnetic |
|---|---|---|
| HR Digaron S 5,6/23 | D7236 | 2323K |
| HR Digaron S 4,5/28mm | D7226 | 2234K |
| HR Digaron W 4,0/32mm | D8032 | 3232K |
| HR Digaron S 4/35mm | D7228 | 2236K |
| HR Digaron W 4,0/40mm | D7448 | 2346K |
| HR Digaron W 4,0/50mm | D7450 | 3250K |
| HR Digaron S 4/60mm | D7234 | 2266K |
| HR Digaron W 5,6/70mm | D7231 | 2278K |
| HR Digaron W 5,6/90mm | D7237 | 2295K |
| HR Digaron S 4/100mm | D7239 | 2268K |
| Apo Sironar Digital 4,5/45mm | D7230 | 2245K |
| Apo Sironar Digital 4,5/55mm | D7232 | 2255K |
| Apo Sironar Digital 5,6/70mm | D7233 | 2276K |
| Apo Sironar Digital 5,6/90mm | D7238 | 2293K |
| Apo Sironar Digital 5,6/105mm | D7240 | 2205K |

## Working apertures, image angles, image circles and movement ranges

### Rodenstock HR Digaron

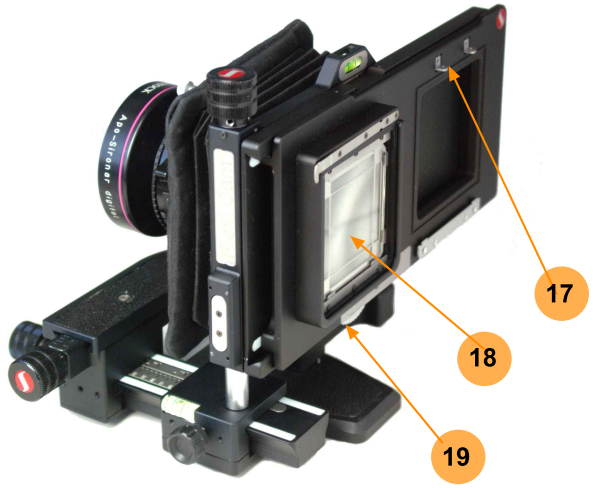
| Lens | Image scale | Recom. working f-stop | Image angle | Image circle diameter | Movement range [mm] vertical / horizontal 24x36 mm | 37x37 mm | 33x44 mm | 37x49 mm | 36x56 mm | 40x54 mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 40 mm f/4 | 1: ∞ | 5,6-8 | 94° | 90mm | 29 / 25 | 29 / 25 | 29 / 25 | 29 / 25 | 29 / 25 | 29 / 25 |
| 50 mm f/4 | 1: ∞ | 5,6-8 | 84° | 90mm | 29 / 25 | 29 / 25 | 29 / 25 | 29 / 25 | 29 / 25 | 29 / 25 |
| 70 mm f/5.6 | 1: ∞ | 5,6-8 | 70° | 100mm | 35 / 31 | 35 / 31 | 35 / 31 | 35 / 31 | 35 / 31 | 35 / 31 |
| 90 mm f/5.6 | 1: ∞ | 5,6-11 | 70° | 125mm | 48 / 43 | 48 / 43 | 48 / 43 | 48 / 43 | 48 / 43 | 48 / 43 |
| 23 mm f/5.6 | 1: ∞ | 5.6-8 | 112° | 70mm | 18 / 15 | 11 / 11 | 11 / 9 | 7 / 5 | 3 / 2 | 2 / 2 |
| 28 mm f/4.5 | 1: ∞ | 5.6-8 | 101° | 70mm | 18 / 15 | 11 / 11 | 11 / 9 | 7 / 5 | 3 / 2 | 2 / 2 |
| 35 mm f/4 | 1: ∞ | 5.6 | 90° | 70mm | 18 / 15 | 11 / 11 | 11 / 9 | 7 / 5 | 3 / 2 | 2 / 2 |
| 60 mm f/4 | 1: ∞ | 5.6 | 60° | 70mm | 18 / 15 | 11 / 11 | 11 / 9 | 7 / 5 | 3 / 2 | 2 / 2 |
| 100 mm f/4 | 1: ∞ | 5.6 | 39° | 70mm | 18 / 15 | 11 / 11 | 11 / 9 | 7 / 5 | 3 / 2 | 2 / 2 |
| 180 mm f/5.6 | 1: ∞ | 5.6-8 | 25° | 80mm | 24 / 20 | 17 / 17 | 17 / 14 | 13 / 11 | 11 / 8 | 9 / 8 |

### Rodenstock Apo Sironar digital / Apo-Macro-Sironar digital

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 35 mm f/4.5 | 1: ∞ | 8-11 | 111° | 105mm | 28 / 25 | 26 / 21 | 25 / 22 | 21 / 18 | | |
| 45 mm f/4.5 | 1: ∞ | 8-11 | 107° | 125mm | 39 / 35 | 38 / 32 | 36 / 32 | 32 / 29 | 8 / 7 | 4 / 3 |
| 55 mm f/4.5 | 1: ∞ | 8-11 | 95° | 125mm | 39 / 35 | 38 / 32 | 36 / 32 | 32 / 29 | 8 / 7 | 4 / 3 |
| 105 mm f/5.6 | 1: ∞ | 8-11 | 62° | 125mm | 39/ 35 | 38 / 32 | 36 / 32 | 32 / 29 | 8 / 7 | 4 / 3 |
| 135 mm f/5.6 | 1: ∞ | 8-11 | 58° | 150mm | 53/ 48 | 52 / 45 | 50 / 45 | 46 / 42 | 25 / 22 | 2 1/ 18 |
| 150 mm f/5.6 | 1: ∞ | 8-11 | 53° | 150mm | 53 / 48 | 52 / 45 | 50 / 45 | 46 / 42 | 25 / 22 | 2 1/ 18 |
| 180 mm f/5.6 | 1: ∞ | 8-11 | 45° | 150mm | 53 / 48 | 52 / 45 | 50 / 45 | 46 / 42 | 25 / 22 | 2 1/ 18 |
| 120 mm f/5.6 | 1:5 - 2:1 | 8-11 | 55°-24° | 150mm | 53 / 48 | 52 / 45 | 50 / 45 | 46 / 42 | 25 / 22 | 2 1/ 18 |

### Schneider Apo Digitar

| Lens | center filter | Recom. working f-stop | Image angle | Image circle diameter | Movement range [mm] vertical / horizontal 24x36 mm | 31x31 mm | 37x37 mm | 36x48 mm | 37x49 mm | 63x63 mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 5.6/24 XL | IId | 5.6-11 | 100° | 60mm | 12 / 9.5 | 10 / 10 | 5.1 / 5.1 | 0 / 0 | | |
| 2.8/28 L | | 2.8-11 | 92° | 60mm | 12 / 9.5 | 10 / 10 | 5.1 / 5.1 | 0 / 0 | | |
| 5.6/35 XL | IIf | 5,6-11 | 88° | 70mm | 29 / 25 | 27 / 27 | 23 / 23 | 20 / 17 | 19 / 17 | 0.6 / 0.6 |
| 5.6/47 XL | II | 8-11 | 92° | 98mm | 42 / 37 | 39 / 39 | 35 / 35 | 33 / 30 | 32 / 29 | 15 / 15 |
| 4.0/60 N | | 4-11 | 53° | 60mm | 12 / 9.5 | 10 / 10 | 5.1 / 5.1 | 0 / 0 | | |
| 5.6/72 L | | 5.6-11 | 62° | 90mm | 29 / 25 | 27 / 27 | 23 / 23 | 20 / 17 | 19 / 17 | 0.6 / 0.6 |
| 4.0/80 L | | 5.6-11 | 53° | 80mm | 29 / 25 | 27 / 27 | 23 / 23 | 20 / 17 | 19 / 17 | 0.6 / 0.6 |
| 4.5/90 N | | 4.5-11 | 53° | 90mm | 29 / 25 | 27 / 27 | 23 / 23 | 20 / 17 | 19 / 17 | 0.6 / 0.6 |
| 5.6/100 N | | 5.6-11 | 53° | 100mm | 35 / 31 | 32 / 32 | 28 / 28 | 26 / 23 | 25 / 22 | 7.3 / 7.3 |
| 5.6/120 N | | 5.6-11 | 48° | 110mm | 40 / 36 | 37 / 37 | 33 / 33 | 31 / 28 | 31 / 27 | 14 / 14 |
| 5.6/150 N | | 5.6-11 | 40° | 110mm | 40 / 36 | 37 / 37 | 33 / 33 | 31 / 28 | 31 / 27 | 14 / 14 |
| 5.6/180 T | | 5.6-11 | 37° | 120mm | 45 / 41 | 42 / 42 | 39 / 39 | 37 / 33 | 36 / 33 | 20 / 20 |




Flexicam 3/4 behind:

- 17 Sliding Adapter Hassel V: Version H is also available
- 18 Extra bright focusing screen. The formats of the sensors are marked on the screen; 4x5 vertical/horizontal and 4x4. The back is interchangeable with a not sliding fitting for live video and for the Schneider 24XL lens
- 19 Back unlocking button

- 20 The focusing screen is removable from the back by moving the lever towards right.
- 21 On the screen there are the marks of the sensors' formats 4x4 and 4x5. For using the Schneider 24XL, the image is viewed on the ground glass that is then removed to fit the digital back in its place.

For viewing the Hasselblad V viewing hood is usable.