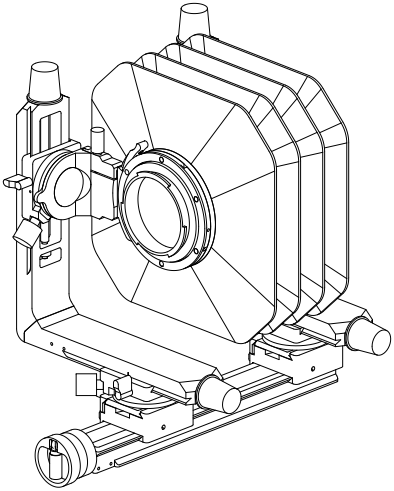
TC18

Modular Mini View Camera

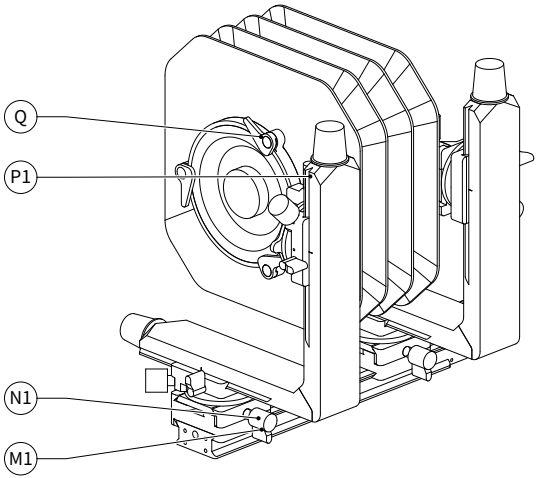
User Manual



SWEBO

Front connections

Secure the rail before fitting the front standard.



P1	Front bellows clamp knob	N1	Front mounting clamp knob
M1	Front rail locking lever	Q	Lens-board latch

01 Secure the front standard

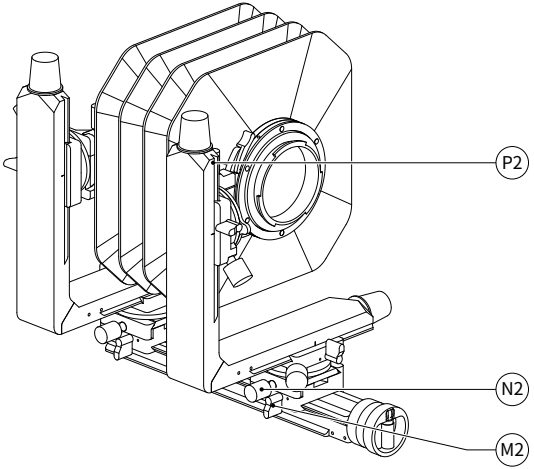
Clamp with N1; lock the carriage with M1.

02 Fit bellows and board

Clamp the bellows with P1. Engage all three Q latches.

Rear connections

Support the rear standard and bellows before attaching the camera.



P2 Rear bellows clamp knob N2 Rear mounting clamp knob

M2 Rear rail locking lever

01 Secure the rear standard

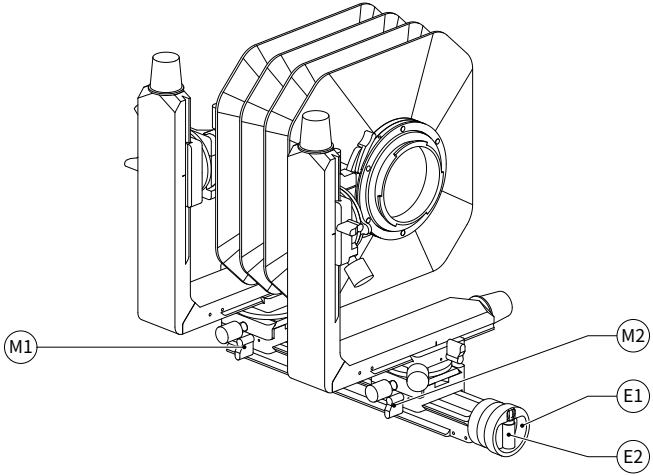
Clamp the standard with N2 and secure its carriage with M2.

02 Connect bellows and camera

Clamp the bellows with P2, fit the matching mount, then the camera.

Position and focus

Lock the manual end after positioning; focus with the driven end.



M1	Front rail locking lever	M2	Rear rail locking lever
E1	Focusing dial rim	E2	Fold-away crank

01 Position the manual end

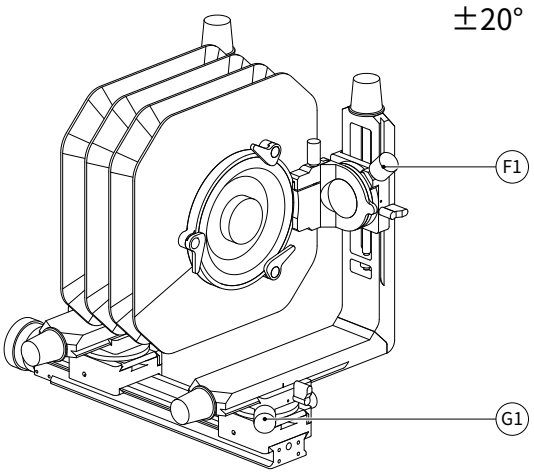
Release M1, slide the front into position, then tighten M1.

02 Focus the driven end

Release M2. Use E2 for larger moves and E1 for fine focus.

Front tilt and swing

Support the standard; adjust by hand, then lock.



F1 Front tilt lock

G1 Front swing lock

01 Adjust tilt

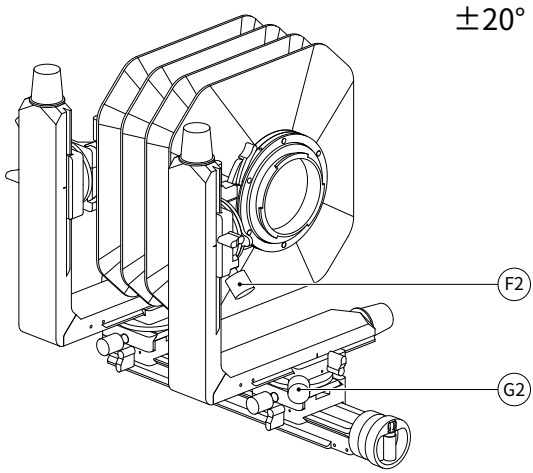
Release F1, tilt by hand, then tighten and check focus.

02 Adjust swing

Release G1, swing by hand, then tighten when set.

Rear tilt and swing

Support the standard; adjust by hand, then lock.



F2 Rear tilt lock

G2 Rear swing lock

01 Adjust tilt

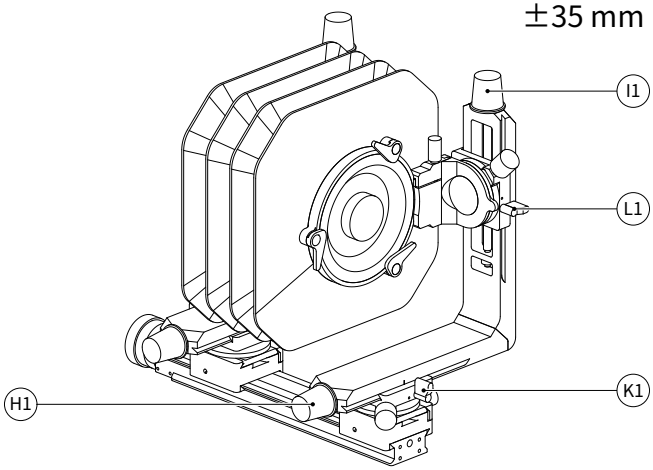
Release F2, tilt by hand, then tighten and check focus.

02 Adjust swing

Release G2, swing by hand, then tighten when set.

Front shift and rise/fall

Lead-screw adjustments; secure the locks after setting.



H1	Front shift knob	K1	Front shift locking lever
I1	Front rise/fall knob	L1	Front rise/fall locking lever

01 Horizontal shift

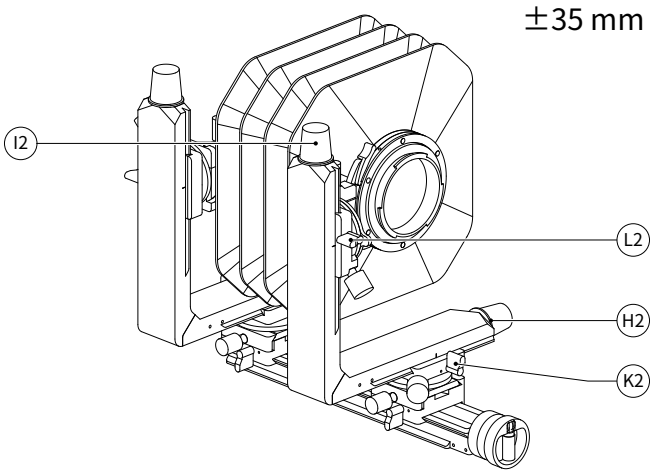
Release K1, turn H1 to shift, then secure K1.

02 Rise/fall

Support the standard, release L1, adjust with I1, then lock.

Rear shift and rise/fall

Lead-screw adjustments; secure the locks after setting.



H2	Rear shift knob	K2	Rear shift locking lever
I2	Rear rise/fall knob	L2	Rear rise/fall locking lever

01 Horizontal shift

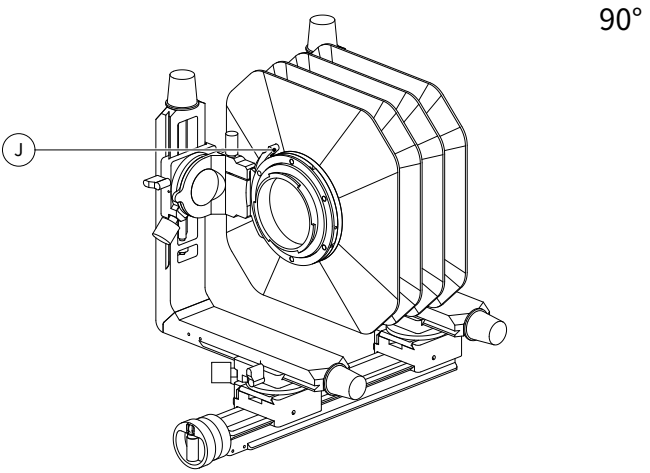
Release K2, turn H2 to shift, then secure K2.

02 Rise/fall

Support the standard, release L2, adjust with I2, then lock.

Landscape or portrait

Press the button, rotate the camera and let it lock.



J Camera rotation release button

01 Support and release

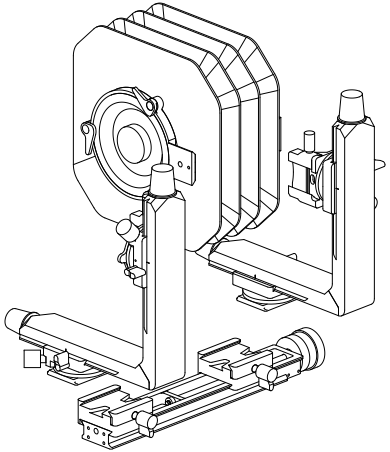
Support the camera and press release button J.

02 Rotate 90° and lock

Rotate 90°. Confirm automatic locking before letting go.

Dismantling & packing

Remove the camera and lens before separating the modules.



01 Remove the bellows

Support the bellows, release both end clamps and lift it off.

02 Remove the standards

Support each standard, release its rail clamp and remove it.

03 Pack in the case

Protect bellows, knobs and interfaces. Place the modules securely in the case.

Specifications & setup

Select lens boards and interfaces for your equipment.

Front/rear tilt and swing	±20° each
Horizontal shift / rise and fall	±35 mm each
Travel per translation axis	70 mm
Translation screw lead	4 mm
Standard focusing rail	250 mm
Focusing lead / increment	4 mm / 0.04 mm
Optional lead / increment	1 mm / 0.01 mm
Bellows / storage	Four-fold / protective case
Camera-system net weight	2400 g

Configuration and care

Verify the complete interface, lens and bellows combination.
Keep clamping faces clean and protect bellows and interfaces.

Scale increments correspond to linear focusing travel.

Shanghai Shebao Optoelectronic Technology Co., Ltd.
No. 388 Muhua North Road, Fengxian District
Shanghai, China
www.swebo.us
swebochina@gmail.com