

XPan HASSELBLAD 4/90



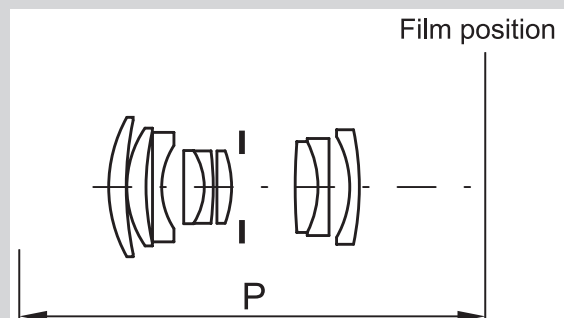
CLOSE FOCUS RANGE DATA:

<i>Minimum distance object to film</i>	1.0 m
<i>Corresponding distance object to front lens</i>	0.9 m
<i>Maximum image scale</i>	1: 9
<i>Corresponding area of coverage</i>	22 x 58 cm
<i>Corresponding exposure reduction</i>	0.3 f-stop

FRONT NODAL POINT POSITION

(P distance at infinite focus setting): 121 mm

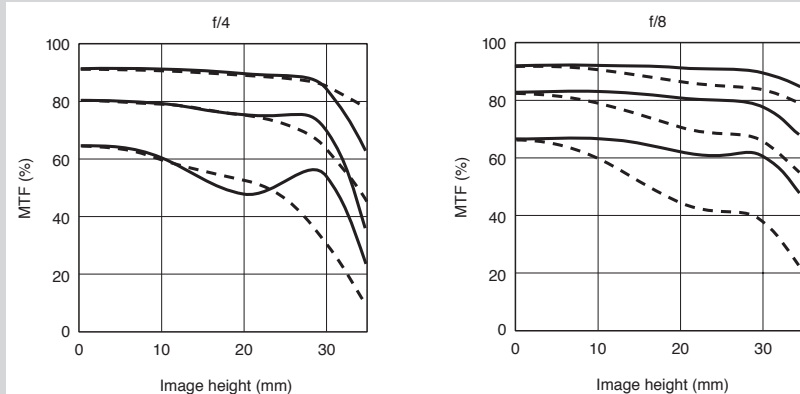
The front nodal position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



MTF

Modulation Transfer as a function of image height at infinite focus setting.

Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



XPan HASSELBLAD 4/90

Depth-of-field data

Given distances are calculated for a blur circle diameter of 33 microns and do not include the effect of lens aberrations.

Depth-of-field in meters

	f/4	f/8	f/16	f/22
∞	60 - ∞	30 - ∞	15 - ∞	11 - ∞
10 m	8.5 - 12	7.5 - 15	6 - 30	5 - 100
5 m	4.65 - 5.4	4.3 - 5.9	3.8 - 7.5	3.5 - 9
3 m	2.87 - 3.15	2.75 - 3.3	2.55 - 3.7	2.4 - 4
2 m	1.95 - 2.06	1.9 - 2.12	1.8 - 2.25	1.75 - 2.4
1.5 m	1.47 - 1.53	1.44 - 1.56	1.39 - 1.63	1.35 - 1.7
1.2 m	1.18 - 1.22	1.17 - 1.24	1.13 - 1.28	1.11 - 1.31
1 m	0.99 - 1.01	0.98 - 1.02	0.96 - 1.05	0.94 - 1.07

To convert meters into feet, multiply by 3.281. To convert meters into inches, multiply by 39.37