

## XPan HASSELBLAD 4/45



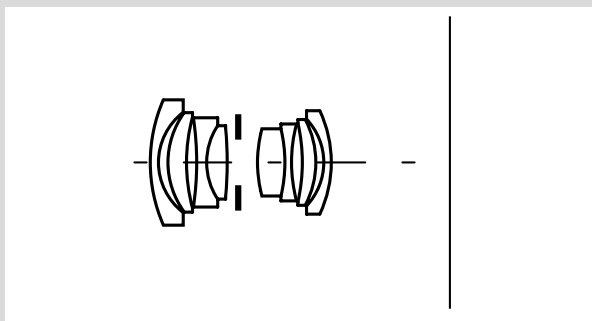
### CLOSE FOCUS RANGE DATA:

Minimum distance object to film	0.70 m
Corresponding distance object to front lens	0.62 m
Maximum image scale	1: 13
Corresponding area of coverage	31 x 84 cm
Corresponding exposure reduction	0.2 f-stop

### ENTRANCE PUPIL POSITION

56 mm in front of the film plane.  
(at infinite focus setting):

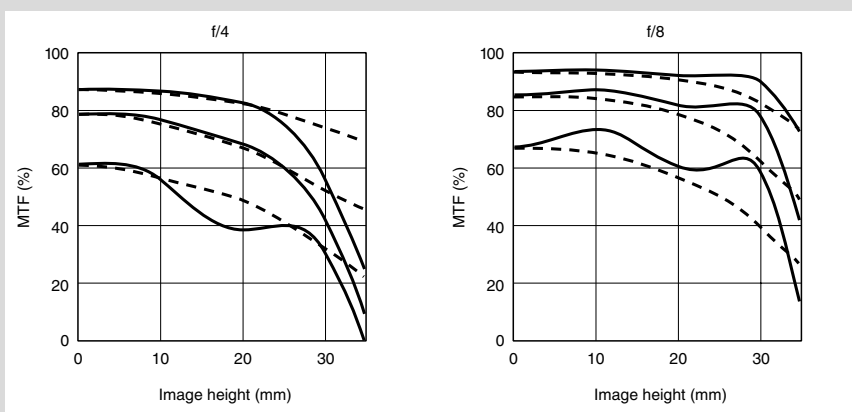
The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



### 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



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### 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
∞	15 - ∞	8 - ∞	4 - ∞	3 - ∞
10 m	6 - 30	4 - ∞	3 - ∞	2.3 - ∞
5 m	3.8 - 7.5	3 - 14	2.2 - ∞	1.9 - ∞
3 m	2.5 - 3.7	2.2 - 4.8	1.7 - 12	1.5 - ∞
2 m	1.8 - 2.25	1.6 - 2.6	1.4 - 4	1.2 - 6
1.5 m	1.38 - 1.65	1.3 - 1.8	1.1 - 2.3	1 - 3
1.2 m	1.13 - 1.29	1.05 - 1.4	0.95 - 1.65	0.9 - 1.9
1 m	0.95 - 1.06	0.91 - 1.12	0.83 - 1.30	0.8 - 1.4
0.8 m	0.77 - 0.835	0.74 - 0.87	0.69 - 0.95	0.65 - 1.05
0.7 m	0.678 - 0.725	0.66 - 0.75	0.62 - 0.8	0.59 - 0.85

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