

HASSELBLAD HC 3.5/50

GENERAL LENS DATA:

Focal length	50.3 mm
Aperture range	3.5 - 32
Angle of view diag/hor/vert	70°/59°/46°
Length/diameter	116 mm/85 mm
Weight	975 g
Filter diameter	77 mm

CLOSE FOCUS RANGE DATA:

Minimum distance object to film	0.6 m
Maximum image scale	1:8.9
Corresponding area of coverage	50 x 37 cm
Corresponding exposure reduction	0 f-stop



LENS DESIGN

10 elements in 9 groups

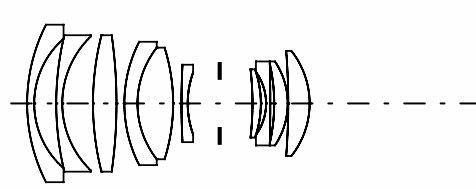
FOCUS TYPE

Rear focusing

ENTRANCE PUPIL POSITION

137 mm in front of the film plane
(at infinite focus setting)

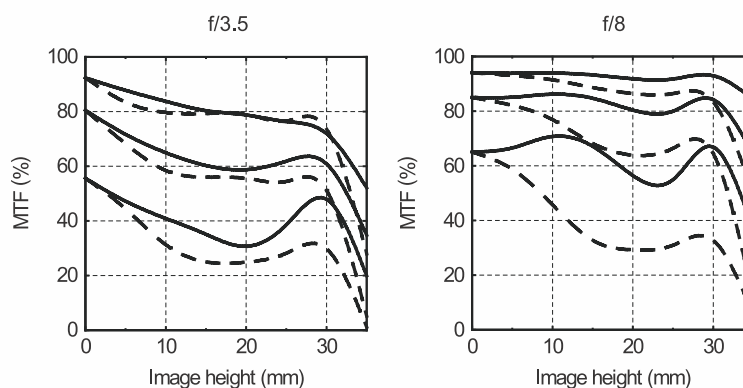
The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



MTF

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

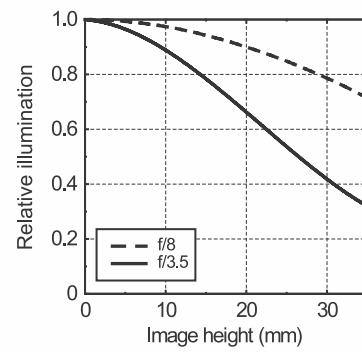
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



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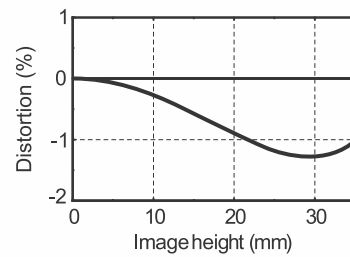
RELATIVE ILLUMINATION

Infinity setting



DISTORTION

Infinity setting



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