

HASSELBLAD HC Macro 4/120

GENERAL LENS DATA:

Focal length	118.7 mm
Aperture range	4 - 45
Angle of view diag/hor/vert	33°/26°/21°
Length/diameter	166 mm/96 mm
Weight	1410 g
Filter diameter	67 mm

CLOSE FOCUS RANGE DATA:

Minimum distance object to film	0.39 m
Maximum image scale	1:1
Corresponding area of coverage	56 x 41.5 mm
Corresponding exposure reduction	1.3 f-stop

COMPATIBILITY

When the HC Macro 120 is used together with the H1,7X converter, the autofocus function of the camera is disabled.



LENS DESIGN

9 elements in 9 groups

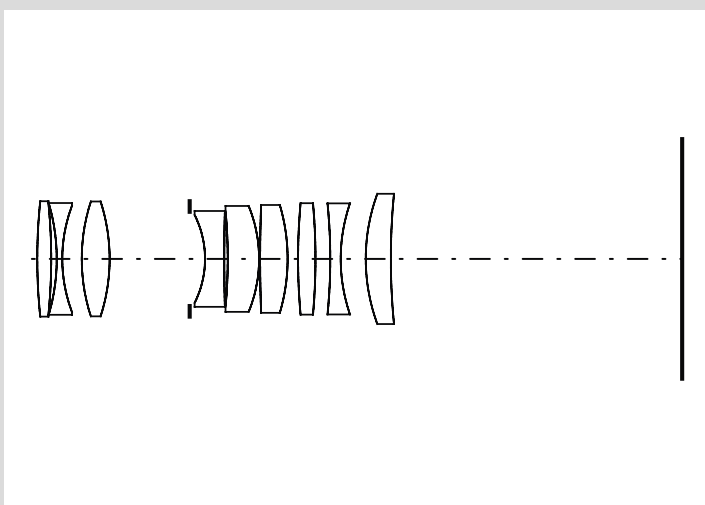
FOCUS TYPE

Front focusing

ENTRANCE PUPIL POSITION

148 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.

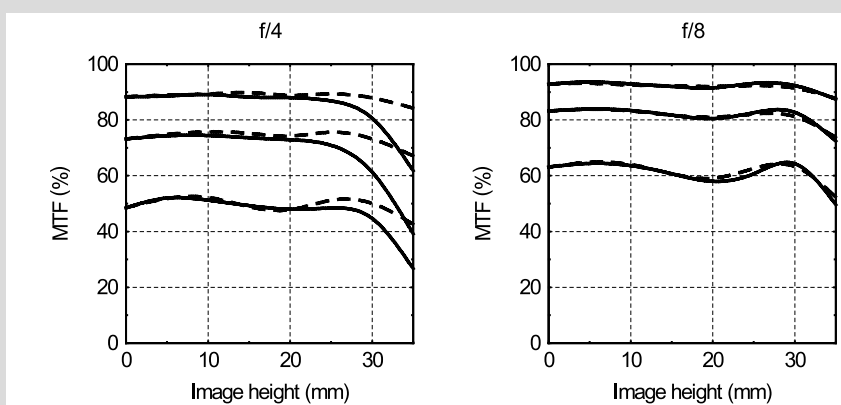


MTF

@ infinity setting

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



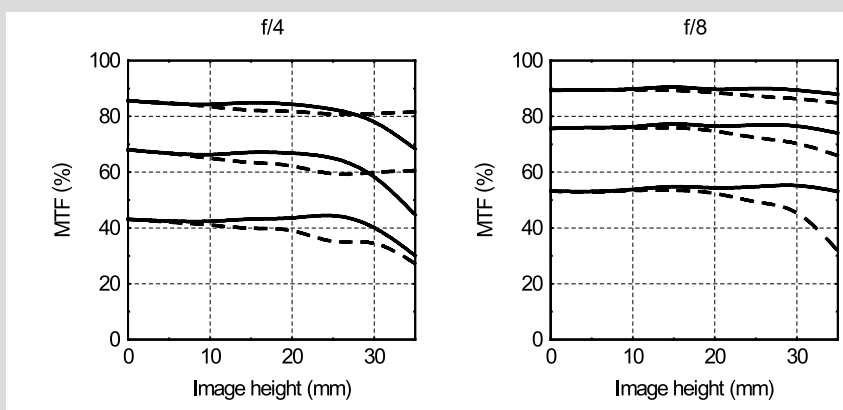
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MTF

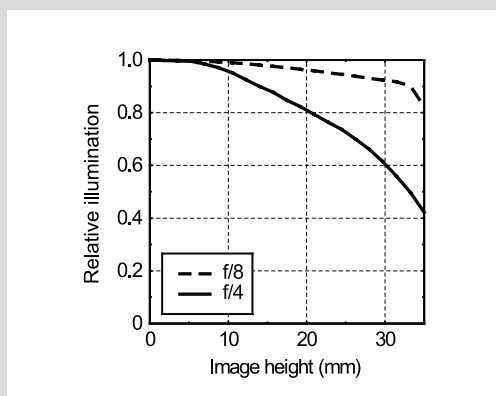
@ image scale 1:2

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

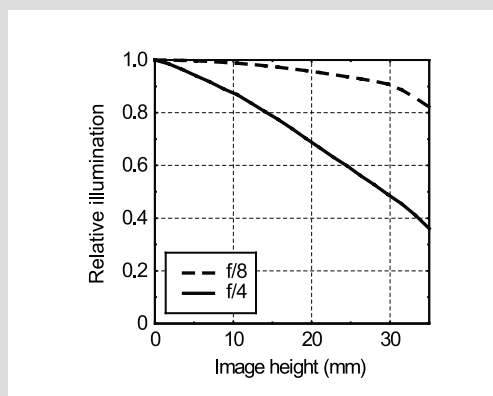
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



RELATIVE ILLUMINATION

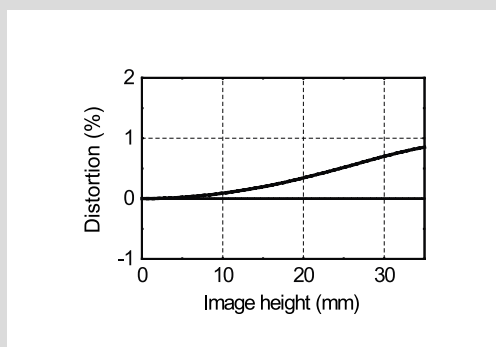


1:2

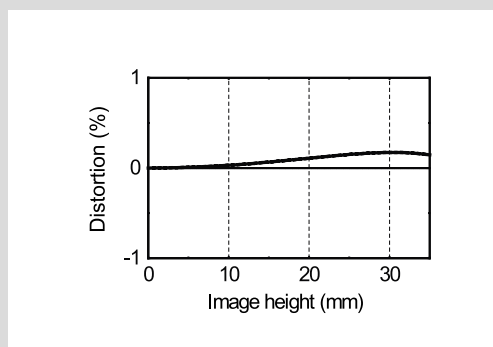


Infinity setting

DISTORTION



1:2



Infinity setting

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