

## HASSELBLAD HC Macro 4/120-II

### GENERAL LENS DATA:

Focal length	118.7 mm
Equivalent 35mm focal length <sup>1)</sup>	87.0 mm
Aperture range	4 - 45
Angle of view diag/hor/vert 37x49 format	29°/23°/18°
Length/diameter	166 mm/96 mm
Weight	1410 g
Filter diameter	67 mm

<sup>1)</sup> Horizontal coverage between 37x49 and 24x36 compared



### 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-II is used together with the H1,7X converter, the autofocus function of the camera is disabled.

### LENS DESIGN

9 elements in 9 groups

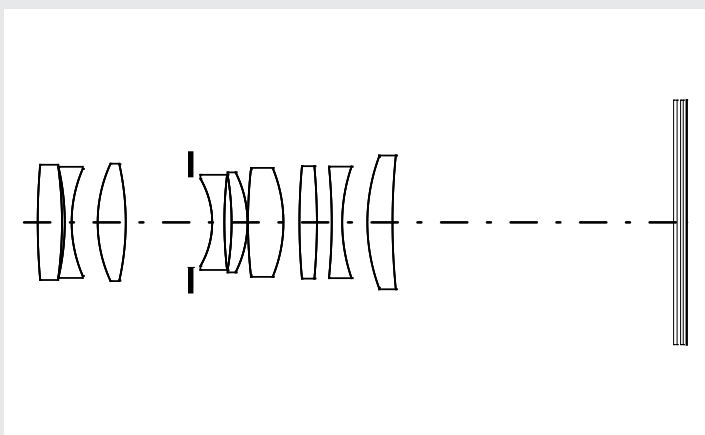
### FOCUS TYPE

Front focusing

### ENTRANCE PUPIL POSITION

149 mm in front of the image 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.

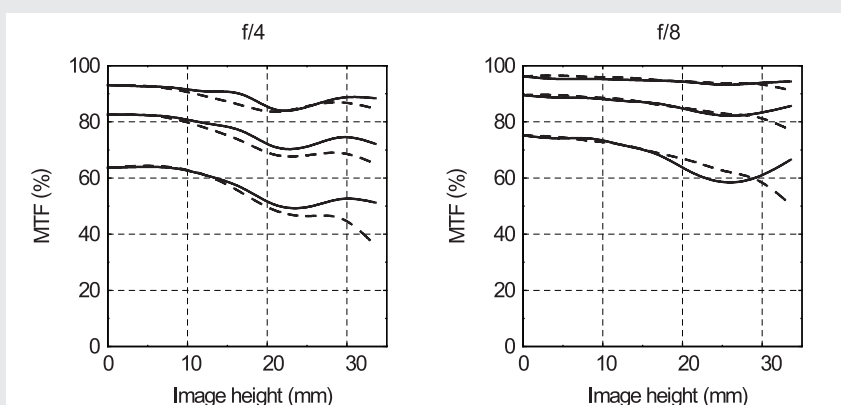


### MTF

@ 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



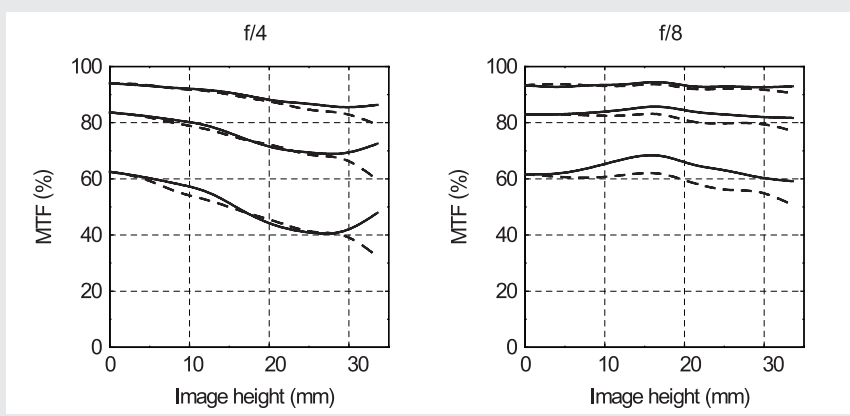
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### MTF

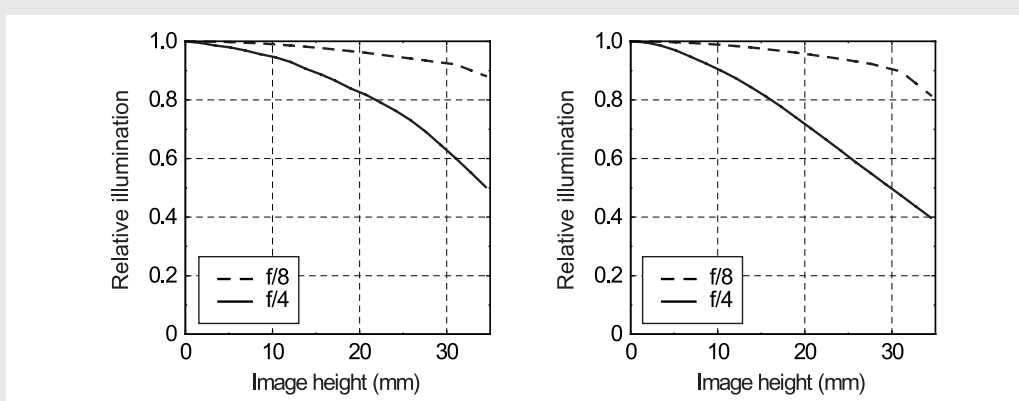
@ image scale 1:2

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



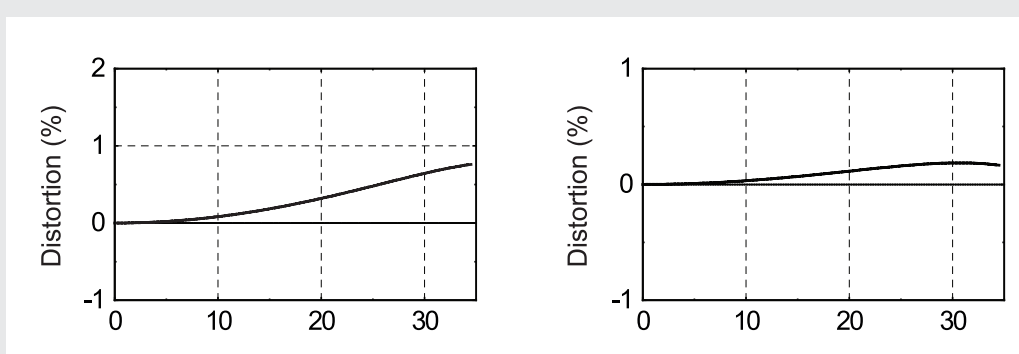
### RELATIVE ILLUMINATION



1:2

Infinity setting

### DISTORTION



1:2

Infinity setting

Specification subject to change without notice.

03-12 - HC Macro 120-II - V2 - UK