

HC 4,5/300

The 300mm lens is the longest lens in the present HC lens range. It has a fast autofocus reaction making it suitable for sports and wildlife applications.

GENERAL LENS DATA

Focal length	292,0mm
Equivalent 35mm focal length ¹	196,9 mm
Aperture range	4,5 - 45
Angle of view diag/hor/vert 53,4 x 40 format	14°/11°/8°
Angle of view diag/hor/vert 44 x 33 format	11°/9°/6°
Length/diameter	198 mm/100 mm
Weight	2120 g
Filter diameter	95 mm

¹ Horizontal coverage between 53,4 x 40 and 36 x 24 compared

CLOSE FOCUS RANGE DATA

Minimum distance object to film	2,45 m
Maximum image scale	1:7,5
Corresponding area of coverage	40 x 30 cm
Corresponding exposure reduction	0 f-stop



LENS DESIGN

9 elements in 7 groups

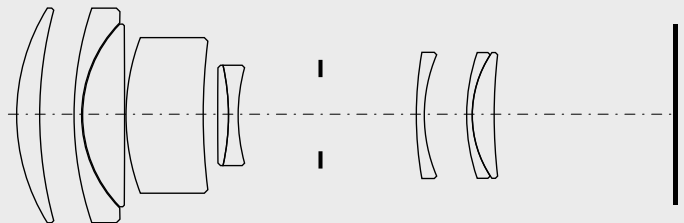
FOCUS TYPE

Internal focusing

ENTRANCE PUPIL POSITION

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

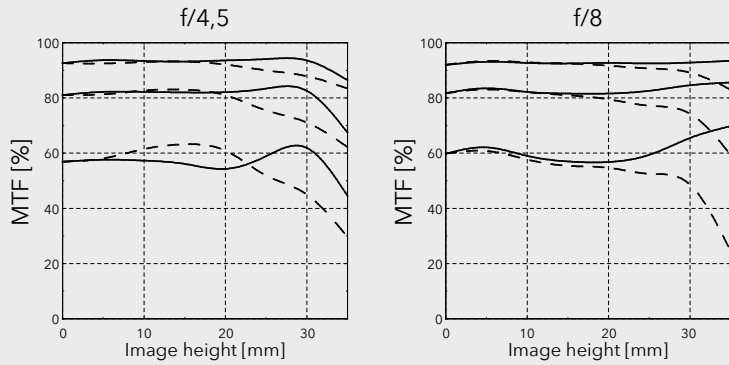
The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



MTF

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

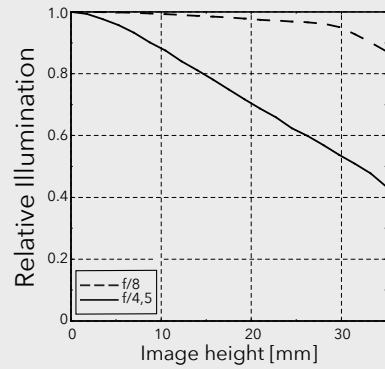
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



RELATIVE ILLUMINATION

Infinity setting

When images are imported to Phocus, light fall-off is automatically removed.



DISTORTION

Infinity setting

When images are imported to Phocus, distortion is automatically removed.

