

HCD 4,8/24

DATASHEET

The HCD 24mm lens is an ultra-wide angle lens with an advanced optical design for outstanding performance with extreme corner to corner sharpness. This compact lens is perfect for shooting in confined spaces and is a perfect companion to the

HTS 1.5x Tilt/Shift Adapter providing a 37mm (equivalent to a 27 mm focal length in 35 mm format terms) wide angle tilt and shift lens.

GENERAL LENS DATA

Focal length	24,3 mm
Equivalent 35mm focal length ¹	16,4 mm
Aperture range	4,8 - 32
Angle of view diag/hor/vert 53,4 x 40 format	108°/96°/79°
Angle of view diag/hor/vert 44 x 33 format	97°/84°/68°
Length/diameter	99 mm/100 mm
Weight	810 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	0.38 m
Maximum image scale	1:9.7
Corresponding area of coverage	52 x 39 cm
Corresponding exposure reduction	0 f-stop

COMPATIBILITY

- The HCD 4,8/24 lens is designed for digital use and does not fully cover the film format (41.5x56 mm).
- The HCD 4,8/24 lens is not compatible with the Converter 1.7x.

LENS DESIGN

14 elements in 11 groups

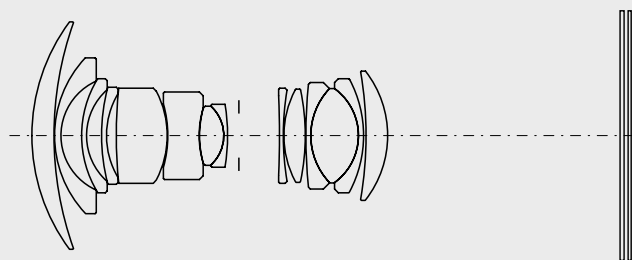
FOCUS TYPE

Rear focusing

ENTRANCE PUPIL POSITION

136 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.

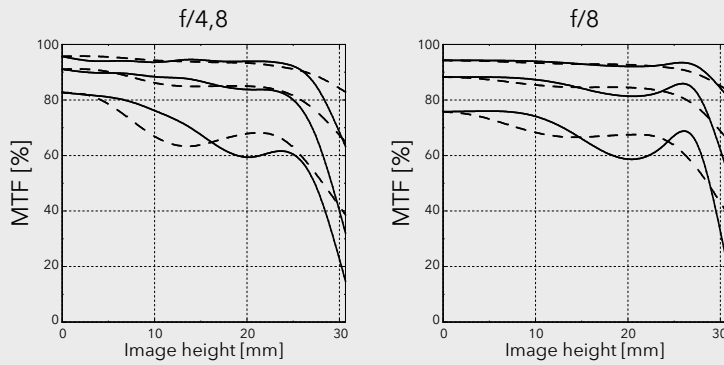


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MTF

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

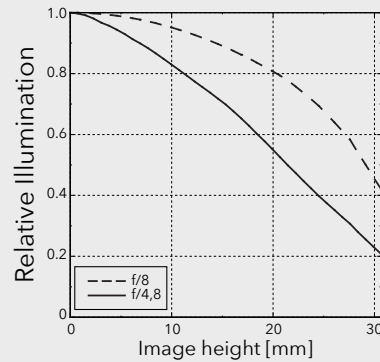
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



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.

