

## 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 <sup>1</sup>	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

<sup>1</sup> 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

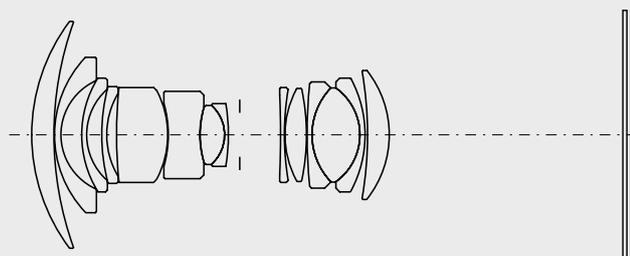
### FOCUS TYPE

Rear focusing

### ENTRANCE PUPIL POSITION

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

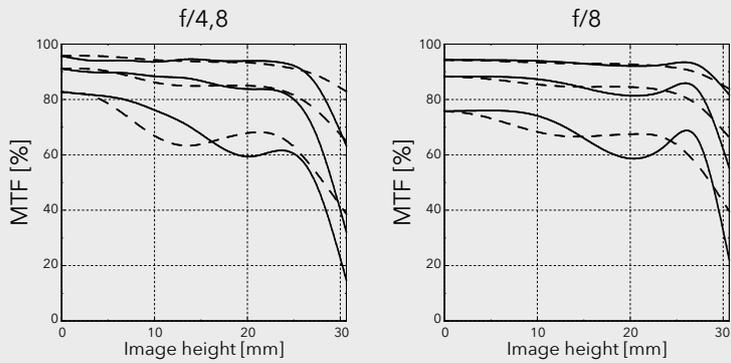
The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



### MTF

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

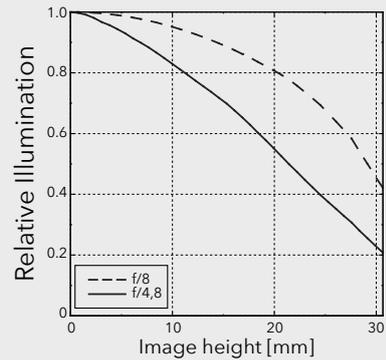
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



### 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.

