HASSELBLAD
HCD 4.0-5.6/35-90 Aspherical

GENERAL LENS DATA:
Focal length 36.3 (87) mm
Equivalent 35mm focal length 1) 26.6 (63.8) mm
Aperture range 4.0 (5.6) - 32
Angle of view diag/hor/vert 37x49 format 83°/70°/55° (39°/31°/24°)
Length/diameter 167 mm/102,5 mm
Weight 1410 g
Filter diameter 95 mm

1) Horizontal coverage between 37x49 and 24x36 compared

CLOSE FOCUS RANGE DATA:
Minimum distance object to image plane 0.65 m
Maximum image scale 1:13 (1:5.4)
Corresponding area of coverage 64 × 48 (26 × 20) cm
Corresponding exposure reduction 0 f-stop

COMPATIBILITY
The HCD 4.0-5.6/35-90 mm lens is not compatible with the converter H1.7x, the HTS 1.5 Tilt/Shift adapter or the Macro Converter.
It can be used on sensors larger than 37 × 49 mm. In this case, a marginal automatic crop will be added in Phocus. The crop can easily be removed if not required.

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LENS DESIGN
13 elements in 11 groups
1 Aspherical surface

FOCUS TYPE
Internal focusing

ENTRANCE PUPIL POSITION
35 mm setting: 187 mm
50 mm setting: 178 mm
90 mm setting: 193 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.
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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

35 mm

55 mm

90 mm
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RELATIVE ILLUMINATION
Infinity setting

DISTORTION
Infinity setting