

## XCD 2,5/90V

The XCD 2,5/90V lens features nine elements in six groups, including one aspheric element. Equivalent to a full frame 71mm focal length, this moderate telephoto lens delivers top-class optical performance with a compact build and supports an image resolution of over 100 megapixels. A large aperture of f/2.5 makes it an ideal portrait lens.

Equipped with an upgraded leaf shutter, the XCD 2,5/90V can reach a shutter speed up to 1/4000s, and delivers flash

synchronisation at all speeds. The shutter is fast and quiet, and is complemented by the newly designed focusing module delivering quick and accurate focusing. The lens has both a focus ring and a lens control ring. Changing between AF and MF is achieved by a convenient push and pull of the focus ring. In MF mode, you can easily check the focus distance and DOF readings. The control ring can be customised for quick access to your preferred function.

### GENERAL LENS DATA

|  |                   |
|--|-------------------|
| Focal length                           | 90 mm             |
| Equivalent Focal length (24x36)        | 71 mm             |
| Aperture range                         | 2,5 - 32          |
| Angle of view diag/hor/vert            | 34°/28°/21°       |
| Length/diameter                        | 95/75 mm          |
| Length (from camera lens mount flange) | 90 mm             |
| Weight (excl. covers and lens shade)   | 551 g             |
| Filter diameter                        | 72 mm             |
| Product number                         | CP.HB.00000746.01 |

### CLOSE FOCUS RANGE DATA

|  |             |
|--|-------------|
| Minimum distance object to image plane | 0,67m       |
| Maximum image scale                    | 1:5,8       |
| Corresponding area of coverage         | 26 x 19 cm  |
| Corresponding exposure reduction       | 0,4 f-stops |

### COMPATIBILITY

- Hasselblad X System & 907x cameras



### LENS DESIGN

9 elements in 6 groups  
1 aspherical element



### FOCUS TYPE

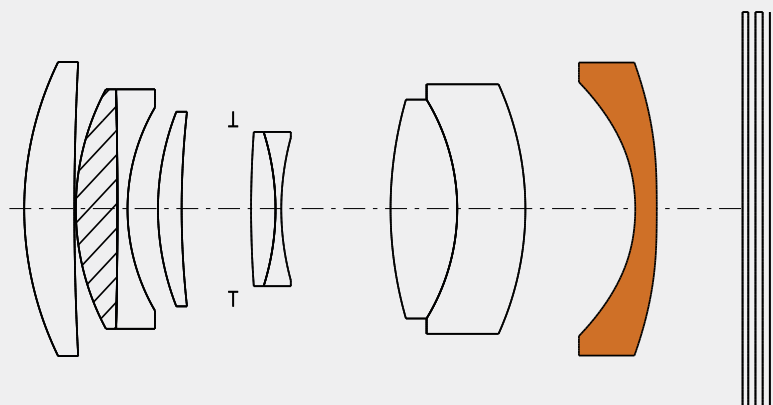
Internal focusing

### ENTRANCE PUPIL POSITION

68 mm in front of image plane

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.

-  : Aspherical Lens elements
-  : ED Lens elements

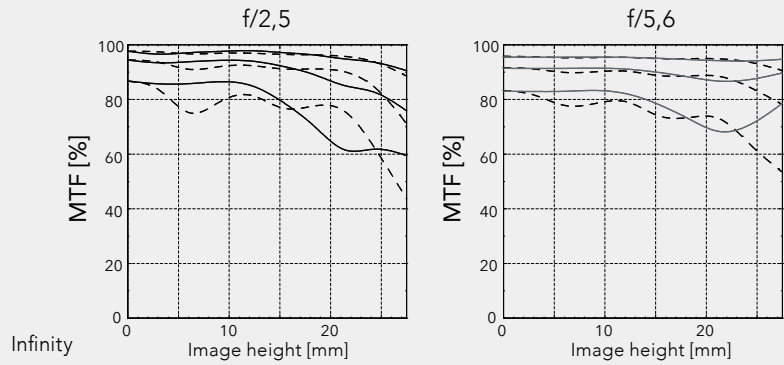


## XCD 2,5/90V

### MTF

Modulation Transfer as a function of image height at infinity setting.

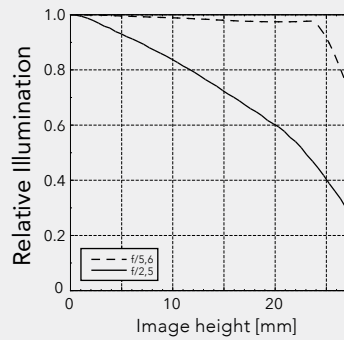
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm.



### 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.

