

## XCD 3,5/45mm

The **XCD 45mm** is the ideal standard lens for the X1D. Its moderate wide angle focal length provides a 35mm equivalent field of view, making it the perfect general purpose and travel lens. As part of the X System lens range, it's lightweight and compact size perfectly complements the compact X1D body. The XCD 45mm lens features outstanding optical performance providing images with stunning detail.

All XCD lenses contain a lens shutter with shutter speeds from 60 minutes to 1/2000 second. Providing flash sync at all speeds allows full control when mixing flash and daylight.

The lens shutter also generates very little vibration providing hand-held shots with perfect sharpness.

### GENERAL LENS DATA

Focal length	45.0 mm
Equivalent Focal length (24x36)	35 mm
Aperture range	3.5 - 32
Angle of view diag/hor/vert	63°/52°/40°
Length/diameter	75 mm/76 mm
Weight (excl. covers and lens shade)	417 g
Filter diameter	67 mm
Product number	3025045

### CLOSE FOCUS RANGE DATA

Minimum distance object to image plane	0.4 m
Maximum image scale	1:6.4
Corresponding area of coverage	28 x 21 cm
Corresponding exposure reduction	0.4 f-stops

### COMPATIBILITY

- Hasselblad X1D cameras



### LENS DESIGN

9 elements in 7 groups

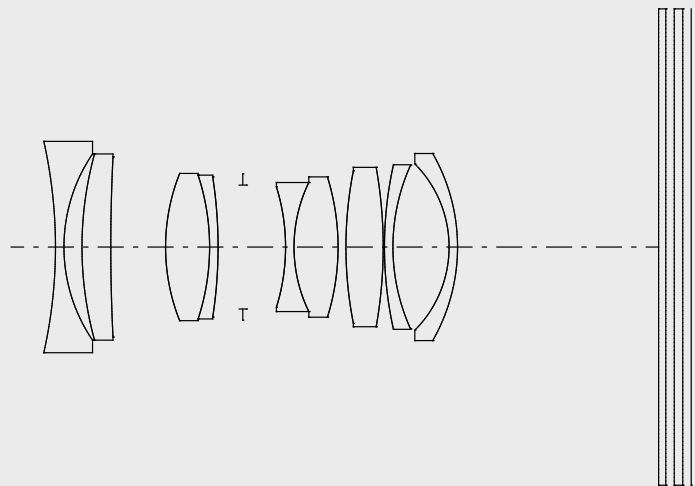
### FOCUS TYPE

Full focusing

### ENTRANCE PUPIL POSITION

62 mm in front of image plane

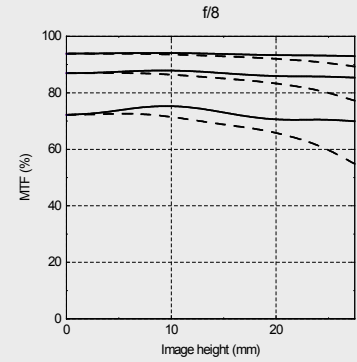
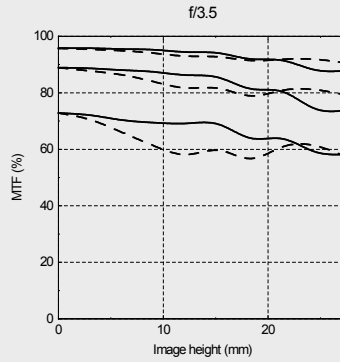
The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



MTF

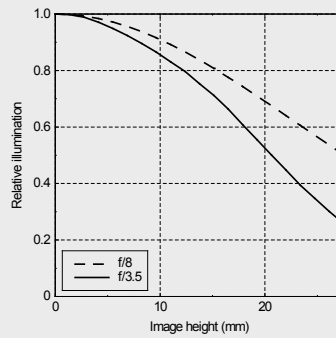
Modulation Transfer as a function of image height at infinite focus setting.

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



DISTORTION

Infinity setting

