

2.8 / 8 mm

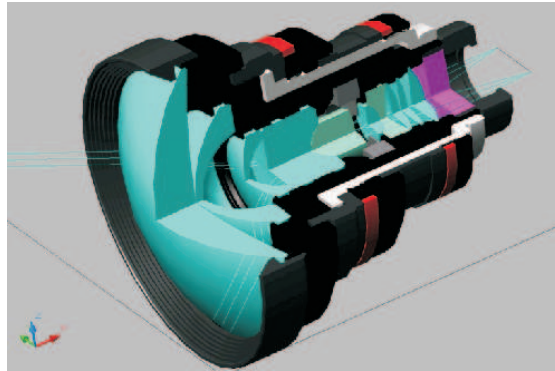


Super Wide Angle Lens for 2/3" 1 Chip sensors

Focal length f' :	8 mm
Max. Image circle \varnothing :	2/3"
Back focal distance s' :	18 mm
Öffnung FNo:	2.8
Field of view 2w:	71°
Opt. Distance:	500 mm
Distortion:	< - 2.5 %
MTF (32 lp/mm):	> 80 %
Max. drop in illumination:	< 5 %
Length front lens to last mechanical surface, max. dia:	59,5 x \varnothing 52 mm
Weight:	200g
Mechanical thread:	C-Mount

Features:

Digital means low vignetting,
telecentric at image side,
focus and variable iris



The 2.8 / 8 mm lens was designed for high resolution cameras 2/3" with a single chip.

The lens is image sided telecentric. Especially with micro lens array sensors or in systems with long glass paths this helps to avoid illumination drop at the edges.

The opto-mechanical design was done without compromises. The outer housing is made of aluminum and stainless steel parts. Every day use is no problem for the mechanical mounting.

The optical quality is realized with the use of special abnormal glasses that reduces color errors to a minimum.

This lens has low distortion values to avoid typical fish-eye images.

Therefore the MTF for 32 lp/mm reaches a value of 80 % without a drop at the edges.

This lens is the first choice if low illumination drop at the edges compared with highest resolution up to the rim is needed!

Report

