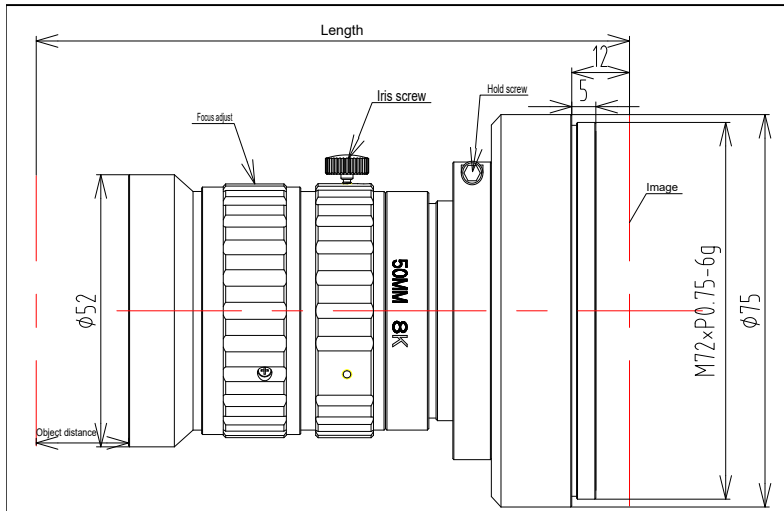


SBS-XS5085/M72X0.75



Technical Specifications

Focal Length	50mm
FNO	4 ~ 22
Image Circle	60mm
Magnification	0.027x ~ 0.07x
Transmission	400 ~ 700nm
Mount	M72 x 0.75
Weight	380g

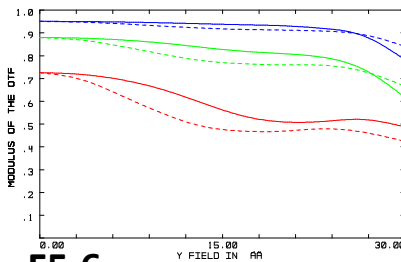
MTF with reference to image height for visible spectrum

Wavelength λ [nm]:	656	587	546	486	435
Spectral weighting [%]:	15	20	30	25	10
Spatial frequency R [1/mm]:	10	20	40		
Image circle [mm]:	60				

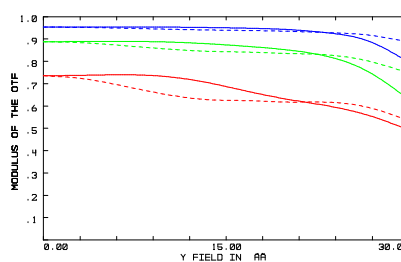
— 10
— 20
— 40

F4.0

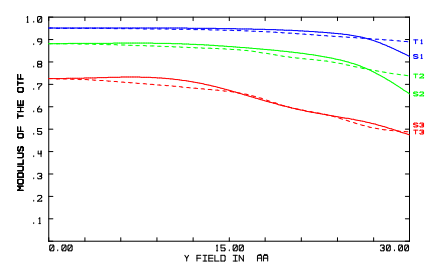
0.025x WD=2000mm



0.05x WD=1010mm

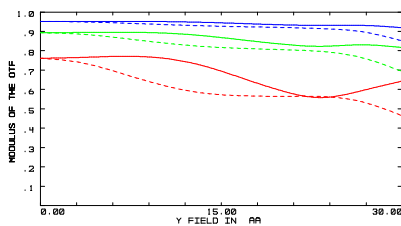


0.07x WD=735mm

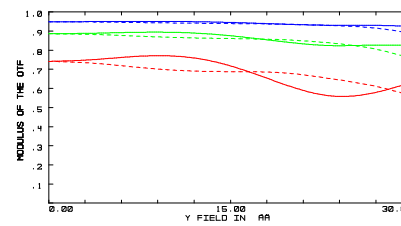


F5.6

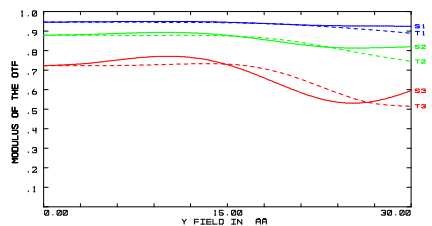
0.025x WD=2000mm



0.05x WD=1010mm

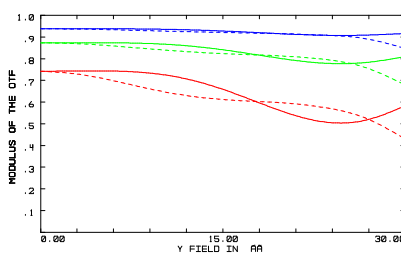


0.07x WD=735mm

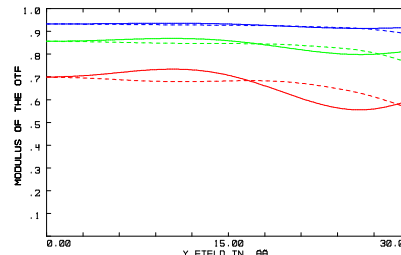


F8.0

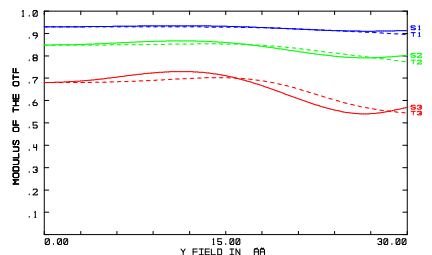
0.025x WD=2000mm



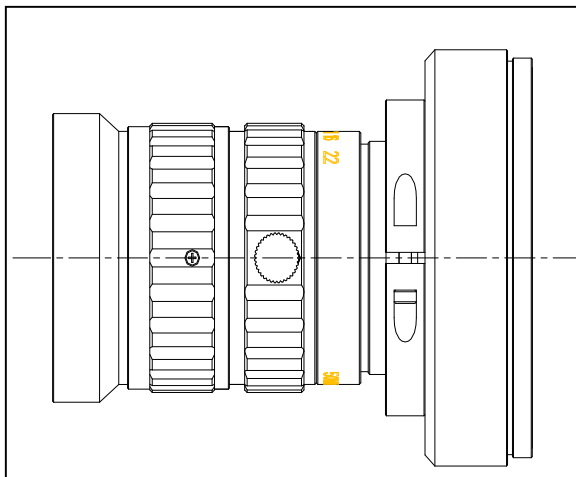
0.05x WD=1010mm



0.07x WD=735mm

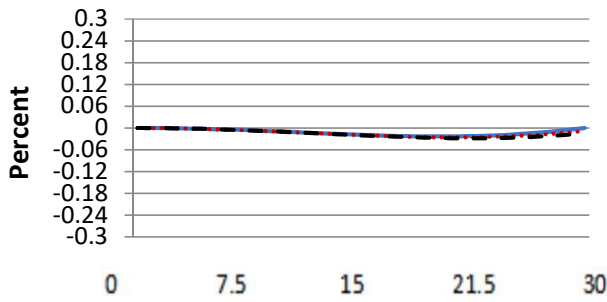


SBS-XS5085/M72X0.75



- 0.025x
- - - 0.05x
- 0.07x

Distortion



Relative Illumination

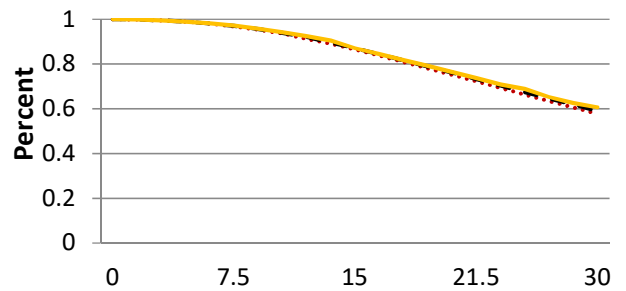


Image High

Image High

Mag.	I/O	WD	Lens length	Φ43.27 FOV	Φ57 FOV	Φ60 FOV
0.025x	2102	2000	102	1705	2246	2364
0.03x	1802.2	1700	102.2	1442	1900	2000
0.035x	1562.5	1460	102.5	1236	1629	1714
0.04x	1382.7	1280	102.7	1082	1425	1500
0.045x	1243	1140	103	962	1267	1333
0.05x	1113.3	1010	103.3	865	1140	1200
0.055x	1038.5	935	103.5	787	1036	1091
0.06x	963.7	860	103.7	721	950	1000
0.065x	899	795	104	666	877	923
0.07x	839.2	735	104.2	615	810	853