

7A010 LENS SPECIFICATION

No	Item	Design Spec.	
1	Sensor Type	1/1.8"	
2	Optical Magnification	1.5±5%	18.0±5%
3	Working F/#	8±5%	15±5%
4	Numerical Aperture (Object side)	0.094	0.6
5	DOF at PCoC φ 0.04mm *	0.284	0.004
6	TV Distortion (1/1.8", H7.2 x V5.4)	0.1%	0.14%
7	Relative Illumination	98% (Lens only, not consider illumination loss)	
8	Spectrum Range	Visible Light	
9	Co-Axial Prism	Yes	
10	Surrounding temperature	22°±5°	

* Theoretical Depth of Field = $2 \times [(Permissible \text{ circle of confusion} \times \text{effective } F\#) / M^2]$

Mechanical Specification

No	Item	Design Spec.
1	Working Distance	4.12
2	Mount	C-Mount
3	Flange Back	17.526
4	Filter Thread	M33.5, P0.5
5	Weight (Approx.)	TBD
6	Dimension	See drawing

