

8A002 LENS SPECIFICATION

DMD Specifications		
1	DMD type	0.47" 1080P 1920x1080
2	Pixel size	5.4um
3	Cover glass material, thickness	Corning Eagle XG, 1.1 mm
4	Gap between cover glass & active area	0.303 mm
Lens Specifications		
5	Offset	Max. 3.79mm (130%)
6	Image circle	Max. $\varnothing$ 16.954mm
7	Throw Ratio	1.2~1.43
8	Zoom Ratio	1.2x
9	Effective focal length	12.61~15.1mm
10	Working F/#	1.8
11	Exit Pupil Position	-189mm
12	Focus Range	30" ~ 200"
13	Back focal length (available for 4k)	5.849mm(Air)+2mm(Actuator)+ 2.2(Air)+13.2mm(TIR)+ 0.697mm(Air) +1.1mm(CG)+ 0.303mm(Air)
Design Performance (87")		
14	Wavelength weighting	460nm: 535nm : 625nm = 1 : 2 : 2
15	MTF @ 93lp/mm	W >57% , R >58% , G >46% , B >41%
16	Relative Illumination	> 65%
17	TV Distortion	< 0.59%

2D outline

