

8A001 LENS SPECIFICATION

DMD Specifications		
1	DMD type	0.47" 1080P 1920x1080
2	Pixel size	5.4um
3	Cover glass material, thickness	B1063(Nd=1.50998 @587.56nm), 1.1 ± 0.05 mm
4	Gap between cover glass & active area	0.303+/-0.05 mm
Lens Specifications		
5	Offset	Max. 2.916 (100%)
6	Image circle	Max. 7.803mm
7	Throw Ratio	1.2 (58" @1.540m)
8	Zoom Ratio	Fix
9	Effective focal length	12.617mm
10	Working F/#	1.7
11	Exit Pupil Position	253mm
12	Focus Range	40" ~ 100"
13	Back focal length (available for 4k)	>4.094mm(Air)+2.0mm(Actuator,B270)+2.2(Air) +13.2mm(TIR,H-ZBAF52)+0.697mm(Air) +1.1mm(Cover glass, B1063)+0.303mm(Air)
Design Performance (58")		
14	Wavelength weighting	460nm : 535nm : 625nm = 1 : 2 : 2
15	MTF @ 93lp/mm	W > 53% , R > 40.9% , G > 51.7% , B > 39.6%
16	Relative Illumination	> 59%
17	TV Distortion	< 0.12 %
18	Defocus (60% encircle energy)	R < 1.15pixel , G < 0.76pixel , B < 1.38pixel

2D outline

