

# RD283D Lens Specification

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Nano Advanced Optical Technology

<http://www.naotech.co.kr>

# 1) RD283D SPEC.

No.	Item.		Specification				
1	Focal Length		2.78mm ±5%				
2	Back Focal Length		5.19mm ±5%				
3	Flange Back Length		0.99mm				
4	Lens Construction		1G 2P				
5	F#		1.2				
6	Max image circle		6.2mm				
7	Image sensor		CP8108 (720 X 480) 1/3" (D=5.875mm)	KAI-0340 (640 X 480) 1/3" (D=5.920mm)	ISX016_ (1280 X 960) 1/3" (D=6.000mm)	PC2089 (756 X 504) 1/3" (D=6.079mm)	
	Angle of View	Diagonal	157.3 °	160.2 °	165.9 °	172.5 °	
		Horizontal	108.7 °	110.4 °	112.4 °	112.5 °	
		Vertical	77.7 °	77.7 °	78.9 °	82.2 °	
8	Optical / TV Distortion		-78.84% / -29.2% ±5%	-81.43% / -30.4% ±5%	-86.6% / -32.7% ±5%	-92.9% / -35.5% ±5%	
9	Relative Illumination		69.7%	69.0%	68.1%	66.8%	
10	C.R.A		16.8°	16.9°	17.2°	17.4°	
11	MTF (60lp/mm)	AXIS		48.0 %	47.9 %	47.8 %	47.6 %
		0.6F	Sag.	36.6 %	36.0 %	35.3 %	34.3 %
			Tan.	28.0 %	28.0 %	27.9 %	28.0 %
		0.8F	Sag.	37.3 %	37.0 %	36.6 %	36.1 %
			Tan.	23.5 %	23.8 %	23.8 %	23.5 %

## 2) RD283D Drawing

