

Super Wide Zoom-Lens Module

Parts NO : 4T21
 Name : Z3X-5M-1/1.8-3I-A
 Sensor size: for 1/1.8"(max) CCD
 Zoom Multiple : 3X
 Control : Zooming 、 AF 、 M-Shutter
 Out size :
 H : 52.45mm
 W : 41.1mm
 L : 36.865mm(Close)~60.1mm(W)
 (Without View Finder)
 L: 45.765mm(Close)~69.0mm(W)
 (With View Finder)



Sensor	Sensor size	1/1.8" max
	Image diagonal	Ø9.3 mm max
	Pixels	5~6Mega
Optics	Exit pupil	-20 mm or less
	Focus distance	0.30 m ~ ∞ (continuous) Micro : Wide ~ 1cm · Tele ~ 10cm
	Focus length	f = 5.96 ~ 16.89 mm
	Focus length 35mm format	(f = 28~81mm at image diagonal φ9 mm)
	Fno.	Wide = F/2.6 , Tele = F/4.49
	Lens elements	9 elements 7 groups
	Zoom	3X
	Zoom point	Continuous position
	Distortion	-4.85 % ~ -0.79 %
	Illumination(inf)	Wide:60.1 % or more · Tele:83.2 % or more(at image 0.45h)
	Resolution	Center (200 lp/mm) , 0.7 Circle (160 lp/mm)
	TV- Resolution	Option
	Low Pass Filter(Optional)	
View Finder System type	Type	Real image 3X zoom finder
	Field coverage	> 75 %
	Axial accommodation	- 1 ± 1 Diopter
	Distortion(INF)	-7 % ~ +5 %
	Magnification	Wide begin 0.22X(at 35mm format)
	Eye point	15mm
	Distance	1m ~ ∞
Mechanism	Aperture	Open : Ø 6.8 · Middle hole : Ø3.64 · Small hole : Ø2.09
	Shutter speed	Open : 1/800 (sec) , Small hole : 1/2000(sec)
	Shutter driver	Actuator motor (2 phase power turn on V=3.3V Max)
	Focus driver	Step motor (200m A at 2 phase power turn on V=2.8V)
	Zoom driver	DC motor (200m A V=2.8V)
Electrical Interface	I/F-CCD	Flexible print circuit