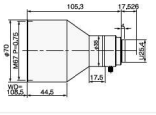
MGTL Series

Mega Pixel Telecentric Lens

Suitable for Mega Pixel Sensor

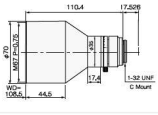
- High resolution, compatible with Mega Pixel camera
- Compact design, suitable for small device
- MGTL05-1.1 is compatible with 1.1 inch
- MGTL0275 is compatible with ϕ 12.8mm sensor
- Adjustable iris, possible to adjust depth of field
- TV distortion less than 0.05%

MGTL014



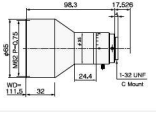
Magnification	0.14x	Depth of field	32.7mm
F No.	4.0	Resolution	19.7 μ
Object side NA	0.017	TV distortion	0.02%
WD	108mm	Maximum Compatible sensor	1/2
OI	231mm	Mount	C

MGTL019



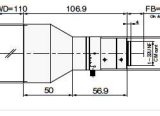
Magnification	0.19x	Depth of field	17.7mm
F No.	4.0	Resolution	14.0 μ
Object side NA	0.024	TV distortion	0.01%
WD	108mm	Maximum Compatible sensor	2/3
OI	236mm	Mount	C

MGTL023



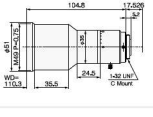
Magnification	0.23x	Depth of field	12mm
F No.	5.5	Resolution	16.0 μ
Object side NA	0.021	TV distortion	0.01%
WD	111mm	Maximum Compatible sensor	2/3
OI	227mm	Mount	C

MGTL0275-2



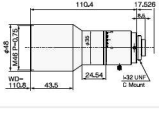
Magnification	0.275×	Depth of field	8.1mm
F No.	7.6	Resolution	18.6 μ
Object side NA	0.018	TV distortion	0.00%
WD	110mm	Maximum Compatible sensor	2/3
OI	234mm	Mount	C

MGTL03



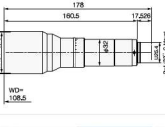
Magnification	0.3x	Depth of field	6.2mm
F No.	7.0	Resolution	16.0 μ
Object side NA	0.021	TV distortion	0.05%
WD	110mm	Maximum Compatible sensor	2/3
OI	233mm	Mount	C

MGTL04



Magnification	0.4x	Depth of field	4.6mm
F No.	9.2	Resolution	15.2 μ
Object side NA	0.022	TV distortion	0.00%
WD	110mm	Maximum Compatible sensor	2/3
OI	239mm	Mount	C

MGTL05-1.1



Magnification	0.5x	Depth of field	2mm
F No.	6.37	Resolution	8.6 μ
Object side NA	0.039	TV distortion	0.00%
WD	108mm	Maximum Compatible sensor	1.1
OI	286mm	Mount	C

* Indicated specifications are design values. *Resolution indicates a theoretical resolution at a wavelength of 550nm.
*Depth of field is calculating assuming a horizontal 320 TV resolution using 1/2 inch camera (permissible circle of confusion 40μ).
* Depth of field of MGTL014, 019, and 023 indicate values at effective F No. 8