

Standard 5 million telecentric lenses

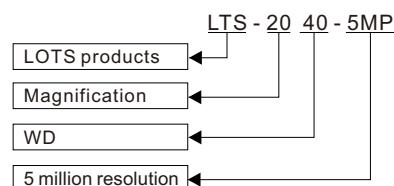


→ Characteristics

- ◆ Low distortion < 0.02%
- ◆ 16mm outer diameter, compact structure, adapted to narrow space
- ◆ Supporting magnification: 2.0X, 1.5X, 1.0X, 0.8X, 0.5X
- ◆ AOI 3D inspection
- ◆ Intergrated circuit pakage
- ◆ Semiconductor, printing circuit inspection
- ◆ Medicine, medical instrument inspection
- ◆ Auto parts inspection

→ Applications

→ Coding Rule

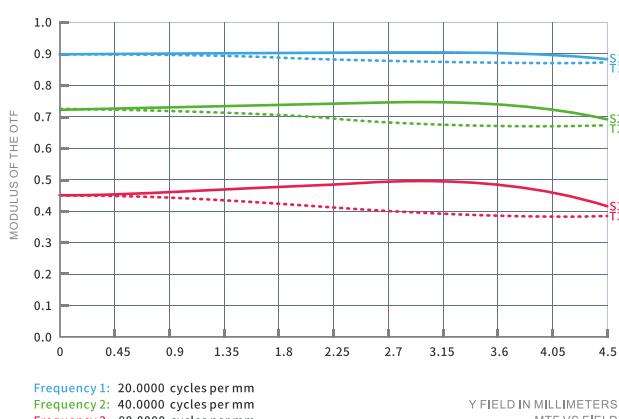


→ Parameter

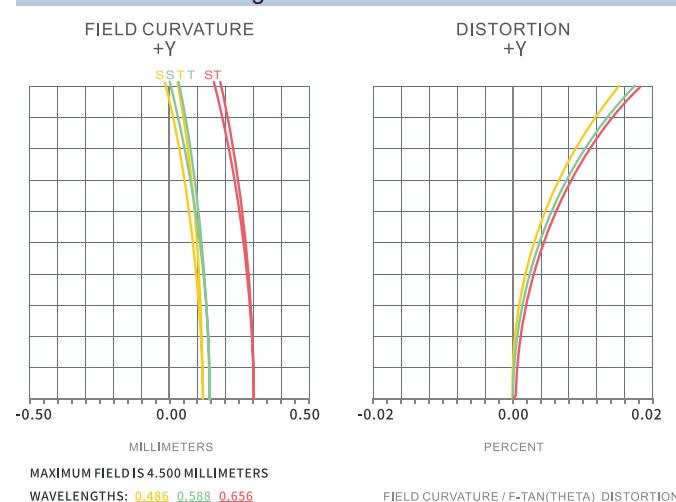
Model	Magnific -ation (X)	WD (mm)	Max. supporting target surface ("")	Aperture F/#	Distortion (%)	Telecentr -icity(deg.)	Image space resolution(μm)	Depth of field@ 40μm(mm)	Max. diameter Φ (mm)	Length (mm)	Weight (kg)	Mount
LTS-TL20040-5MP	2	40	1/1.8	1:6.5	<0.02	<0.05	3.45	±0.02mm	25	102.2	0.124	C
LTS-TC20040-5MP	2	40	1/1.8	1:6.5	<0.02	<0.05	3.45	±0.02mm	25	102.2	0.135	C
LTS-TL15040-5MP	1.5	40	1/1.8	1:12.5	<0.05	<0.05	5	±0.1mm	16	54	0.035	C
LTS-TC15040-5MP	1.5	40	1/1.8	1:12.5	<0.05	<0.05	5	±0.1mm	16	54	0.045	C
LTS-TL10110-5MP	1	110	2/3	1:11	<0.1	<0.05	5	±0.1mm	30	134.6	0.149	C
LTS-TC10110-5MP	1	110	2/3	1:11	<0.1	<0.05	5	±0.1mm	30	138	0.16	C
LTS-TL08110-5MP	0.8	110	2/3	1:11	<0.1	<0.05	5	±0.2mm	30	121.8	0.136	C
LTS-TC08110-5MP	0.8	110	2/3	1:11	<0.1	<0.05	5	±0.2mm	30	125.2	0.146	C
LTS-TL05110-5MP	0.5	110	2/3	1:9.6	<0.1	<0.3	5	±0.6mm	35	131	0.171	C
LTS-TC05110-5MP	0.5	110	2/3	1:9.6	<0.1	<0.3	5	±0.6mm	35	131	0.18	C

*TL model is not coaxial illumination telecentric lens, TC model means coaxial illumination telecentric lens

→ MTF Drawing



→ Distortion drawing



3LINH	Line scan illumination
3LINL	
3LIN	
2LINS	
2LIN	
2COXL	
2LNM	
SDL	
STL	Structured light
RN	Ring illumination
RNH	
SRN	
HPR	
FPR	
DML	
LFR	
3DM	
2DM	
LFX	
FPQ	
RIH	
DL	
3BRH	
2BR	
2BRS	
2BRM	
3COH	
3CON	
COXR	
3COX	
COPA	
HSL	
2SL	
SL	
RNMU	
AOI	
2FTB/ 2FTR	
FTC	
2FT/ 3FT	
2PFT/ 3PFT	
LIP	
IP	
IR	Infrared light
UV	Ultraviolet light
Customized	Customized
PS	
PD	
2DRC	
3STU	
APC	
DPC	
2APC	
DPA	
2ACC	
2DPC	
Area scan	
Line scan	

