

1.1 inch microspur 12 million industrial lenses

1.1 inch



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

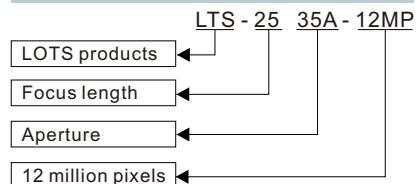
→ Characteristics

- ◆ Short working distance
- ◆ Anti-knock function
- ◆ Ultra low distortion < 0.03%
- ◆ $\phi 18.4\text{mm}$ image
- ◆ Magnification from 0.05 to 0.82 optional
- ◆ Supporting 12 million high resolution camera
- ◆ Replace telecentric lens

→ Applications

- ◆ AOI, SPI
- ◆ Semiconductor
- ◆ Fastener inspection
- ◆ SMT
- ◆ 3C
- ◆ Food and drug

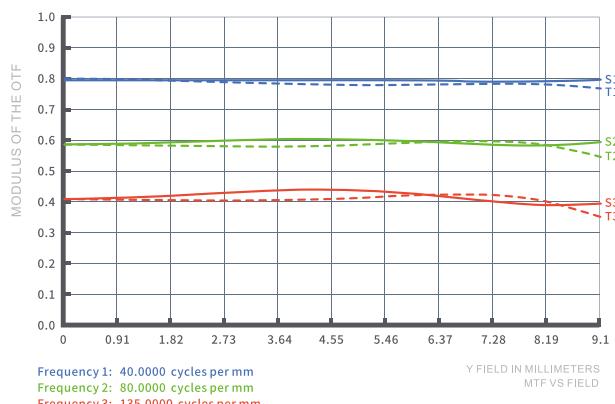
→ Coding Rule



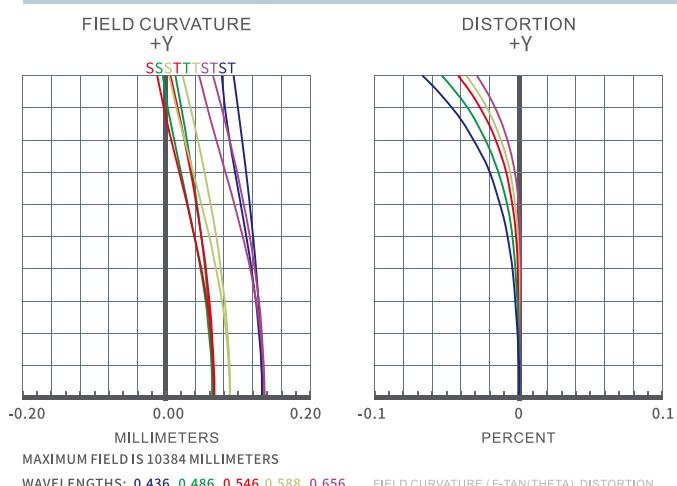
→ Parameter

Model	Focus length (mm)	Magnification range (X)	Aperture F/#	Distortion (%)	Relative illuminance (%)	WD (mm)	Conjugate distance (mm)	Image space resolution (μm)	Mount	Supporting image sensor ("")
LTS-2535A-12MP	25	0.1-0.4	1:3.5	<0.05	>90	142	182. 9	3. 5	C	1. 1
LTS-3530A-12MP	35	0.25-0.7	1:3	<0.05	>90	101.5	159. 8	3. 5	C	1. 1
LTS-5028A-12MP	50	0.46-0.82	1:2.8	<0.04	>90	122	205. 8	3. 5	C	1. 1
LTS-7528A-12MP	75	0.24-0.48	1:2.8	<0.03	>90	253	368. 2	3. 5	C	1. 1

→ MTF Drawing



→ Distortion drawing



<http://www.lotsmv.com>