

Telecentric Lens

DTTL Series Telecentric Lens

Model No:

23mm Chip Support



DTTL Series

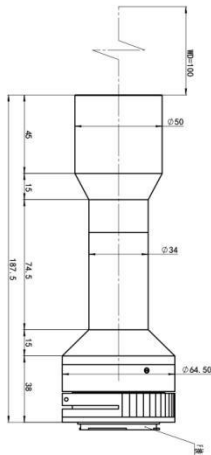
23mm Chip Support

Target camera



- Professional customization of multiples and depth of field
- Dual telecentric design High definition Standard F interface
- Can be equipped with a dedicated parallel light
- For high-precision detection and measurement

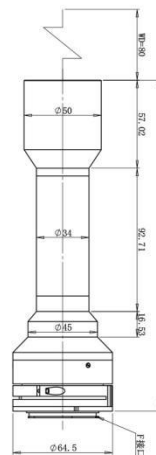
Lens Model	Mag	WD	DOF	Telecen	Optical	Aperture	Mtf>0.3	Mount	4/3"CCD	4/3"CCD	4/3"CCD
			mm	-tricity	distortion	F/#	(lp/mm)		(18.4*13.7)mm	(17.8*14.3)mm	(18.4*13.8)mm
DTTL100-0766XFF	0.766X	100	1.1	<0.1	<0.1	10	80	F/M58	24*17.9	23.2*18.7	24*18
DTTL80-068XFF	0.68X	80	2.2	<0.1	<0.1	12	75	F/M58	27.1*20.1	26.2*21	27.1*20.3
DTTL100-063XFF	0.63X	100	1.7	<0.1	<0.1	11	80	F/M58	29.2*21.7	28.3*22.7	29.2*21.9
DTTL116-06XFF	0.6X	116	1.8	<0.1	<0.1	9	100	F/M58	30.7*22.8	29.7*23.8	30.7*23
DTTL140-05XFF	0.5X	140	3.1	<0.1	<0.1	9	96	F/M58	36.8*27.4	35.6*28.6	36.8*27.6
DTTL170-044XFF	0.44X	170	3.4	<0.1	<0.1	9	99	F/M58	41.8*31.1	40.5*32.5	41.8*31.4
DTTL91-04XFF	0.4X	91	5.2	<0.1	<0.1	10	96	F/M58	46*34.3	44.5*35.8	46*34.5
DTTL100-037XFF	0.37X	100	4.7	<0.1	<0.1	8	120	F/M58	49.7*37	48.1*38.6	49.7*37.3
DTTL166-0338XFF	0.338X	166	5.8	<0.1	<0.1	8	120	F/M58	54.4*40.5	52.7*42.3	54.4*40.8
DTTL220-03XFF	0.3X	220	7.3	<0.1	<0.1	15	54	F/M58	61.3*45.7	59.3*47.7	61.3*46
DTTL220-026XFF	0.26X	220	9.8	<0.1	<0.1	10	96	F/M58	70.8*52.7	68.5*55	70.8*53.1
DTTL260-024XFF	0.24X	260	11.5	<0.1	<0.1	8	120	F/M58	76.7*57.1	74.2*59.6	76.7*57.5
DTTL260-0217XFF	0.217X	260	14.0	<0.1	<0.1	11	90	F/M58	84.8*63.1	82*65.9	84.8*63.6
DTTL300-02XFF	0.2X	300	15.9	<0.1	<0.1	8	100	F/M58	92*68.5	89*71.5	92*69
DTTL410-0177XFF	0.177X	410	21.1	<0.1	<0.1	8	120	F/M58	104*77.4	100.6*80.8	104*78
DTTL390-014XFF	0.14X	390	29.5	<0.1	<0.1	7	130	F/M58	131.4*97.9	127.1*102.1	131.4*98.6
DTTL445-013XFF	0.13X	445	31.7	<0.1	<0.1	7	150	F/M58	141.5*105.4	136.9*110	141.5*106.2
DTTL350-0119XFF	0.119X	350	43.3	<0.1	<0.1	7	120	F/M58	154.6*115.1	149.6*120.2	154.6*116
DTTL500-009XFF	0.09X	500	76.4	<0.1	<0.1	8	126	F/M58	204.4*152.2	197.8*158.9	204.4*153.3
DTTL505-008XFF	0.08X	505	103.1	<0.1	<0.1	8	130	F/M58	230*171.3	222.5*178.8	230*172.5

DTTL100-0766XFF**Main parameters**

Mag	0.766X
WD	100
DOF(mm)	1.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	10
MTF>0.3(lp/mm)	80
Mount	F/M58

Field of view

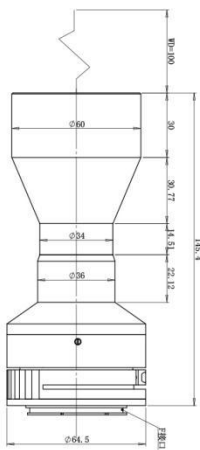
4/3"(18.4*13.7)mm	24*17.9
4/3"(17.8*14.3)mm	23.2*18.7
4/3"(18.4*13.8)mm	24*18

DTTL80-068XFF**Main parameters**

Mag	0.68X
WD	80
DOF(mm)	2.2
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	12
MTF>0.3(lp/mm)	75
Mount	F/M58

Field of view

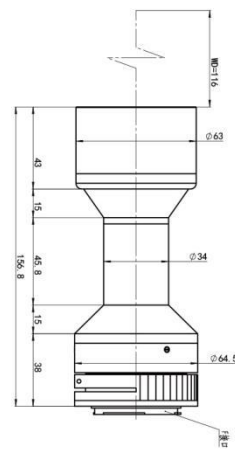
4/3"(18.4*13.7)mm	27.1*20.1
4/3"(17.8*14.3)mm	26.2*21
4/3"(18.4*13.8)mm	27.1*20.3

DTTL100-063XFF**Main parameters**

Mag	0.63X
WD	100
DOF(mm)	1.7
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	80
Mount	F/M58

Field of view

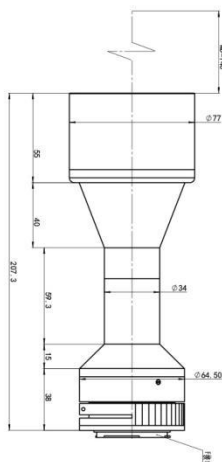
4/3"(18.4*13.7)mm	29.2*21.7
4/3"(17.8*14.3)mm	28.3*22.7
4/3"(18.4*13.8)mm	29.2*21.9

DTTL116-06XFF**Main parameters**

Mag	0.6X
WD	116
DOF(mm)	1.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	9
MTF>0.3(lp/mm)	100
Mount	F/M58

Field of view

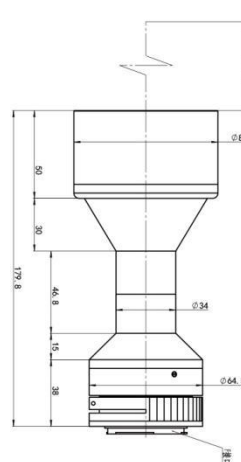
4/3"(18.4*13.7)mm	30.7*22.8
4/3"(17.8*14.3)mm	29.7*23.8
4/3"(18.4*13.8)mm	30.7*23

DTTL140-05XFF**Main parameters**

Mag	0.5X
WD	140
DOF(mm)	3.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	9
MTF>0.3(lp/mm)	96
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	36.8*27.4
4/3"(17.8*14.3)mm	35.6*28.6
4/3"(18.4*13.8)mm	36.8*27.6

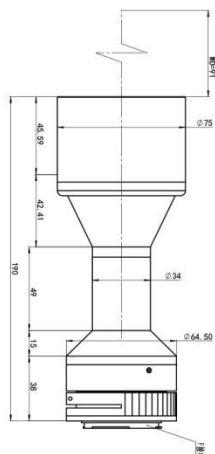
DTTL170-044XFF**Main parameters**

Mag	0.44X
WD	170
DOF(mm)	3.4
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	9
MTF>0.3(lp/mm)	99
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	41.8*31.1
4/3"(17.8*14.3)mm	40.5*32.5
4/3"(18.4*13.8)mm	41.8*31.4

DTTL91-04XFF



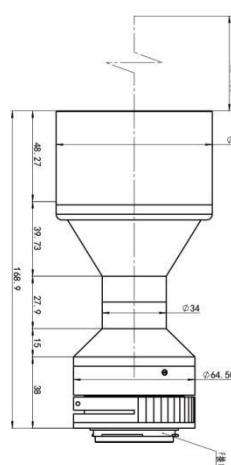
Main parameters

Mag	0.4X
WD	91
DOF(mm)	5.2
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	10
MTF>0.3(lp/mm)	96
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	46*34.3
4/3"(17.8*14.3)mm	44.5*35.8
4/3"(18.4*13.8)mm	46*34.5

DTTL100-037XFF



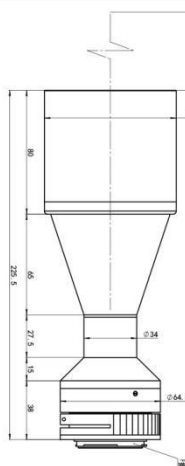
Main parameters

Mag	0.37X
WD	100
DOF(mm)	4.7
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	120
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	49.7*37
4/3"(17.8*14.3)mm	48.1*38.6
4/3"(18.4*13.8)mm	49.7*37.3

DTTL166-0338XFF



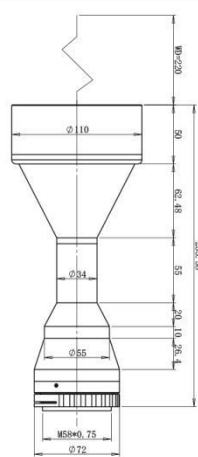
Main parameters

Mag	0.338X
WD	166
DOF(mm)	5.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	120
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	54.4*40.5
4/3"(17.8*14.3)mm	52.7*42.3
4/3"(18.4*13.8)mm	54.4*40.8

DTTL220-03XFF



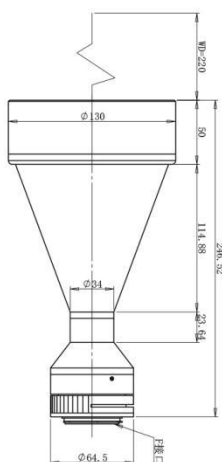
Main parameters

Mag	0.3X
WD	220
DOF(mm)	7.3
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	15
MTF>0.3(lp/mm)	54
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	61.3*45.7
4/3"(17.8*14.3)mm	59.3*47.7
4/3"(18.4*13.8)mm	61.3*46

DTTL220-026XFF



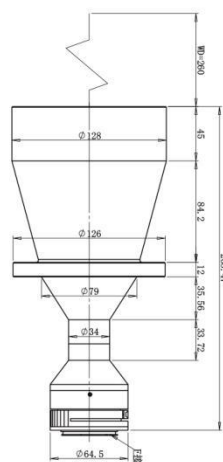
Main parameters

Mag	0.26X
WD	220
DOF(mm)	9.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	10
MTF>0.3(lp/mm)	96
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	70.8*52.7
4/3"(17.8*14.3)mm	68.5*55
4/3"(18.4*13.8)mm	70.8*53.1

DTTL260-024XFF



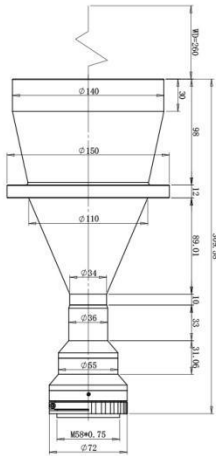
Main parameters

Mag	0.24X
WD	260
DOF(mm)	11.5
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	120
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	76.7*57.1
4/3"(17.8*14.3)mm	74.2*59.6
4/3"(18.4*13.8)mm	76.7*57.5

DTTL260-0217XFF



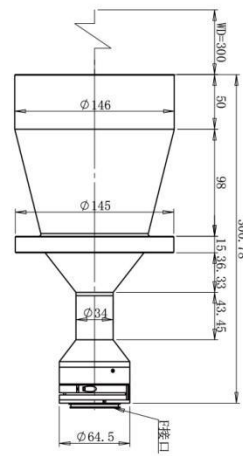
Main parameters

Mag	0.217X
WD	260
DOF(mm)	14.0
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	90
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	84.8*63.1
4/3"(17.8*14.3)mm	82*65.9
4/3"(18.4*13.8)mm	84.8*63.6

DTTL300-02XFF



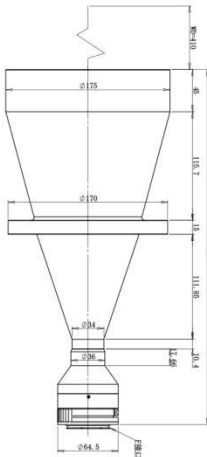
Main parameters

Mag	0.2X
WD	300
DOF(mm)	15.9
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	100
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	92*68.5
4/3"(17.8*14.3)mm	89*71.5
4/3"(18.4*13.8)mm	92*69

DTTL410-0177XFF



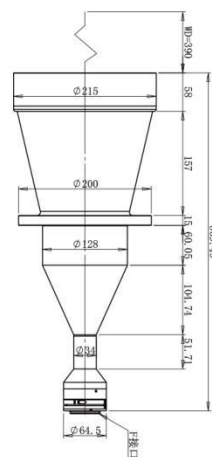
Main parameters

Mag	0.177X
WD	410
DOF(mm)	21.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	120
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	104*77.4
4/3"(17.8*14.3)mm	100.6*80.8
4/3"(18.4*13.8)mm	104*78

DTTL390-014XFF



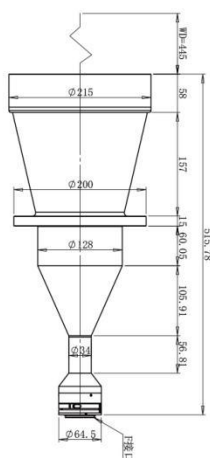
Main parameters

Mag	0.14X
WD	390
DOF(mm)	29.5
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	7
MTF>0.3(lp/mm)	130
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	131.4*97.9
4/3"(17.8*14.3)mm	127.1*102.1
4/3"(18.4*13.8)mm	131.4*98.6

DTTL445-013XFF



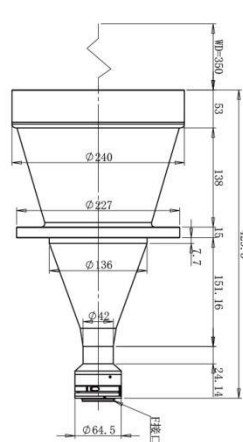
Main parameters

Mag	0.13X
WD	445
DOF(mm)	31.7
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	7
MTF>0.3(lp/mm)	150
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	141.5*105.4
4/3"(17.8*14.3)mm	136.9*110
4/3"(18.4*13.8)mm	141.5*106.2

DTTL350-0119XFF



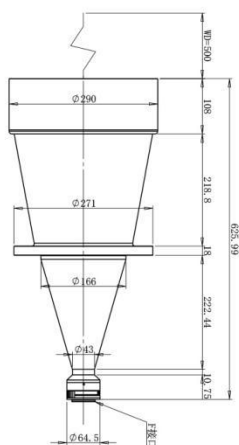
Main parameters

Mag	0.119X
WD	350
DOF(mm)	43.3
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	7
MTF>0.3(lp/mm)	120
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	154.6*115.1
4/3"(17.8*14.3)mm	149.6*120.2
4/3"(18.4*13.8)mm	154.6*116

DTTL500-009XFF



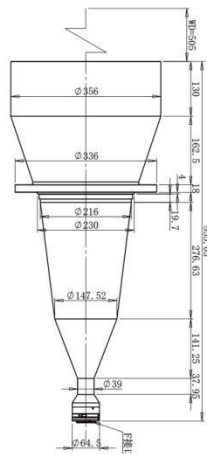
Main parameters

Mag	0.09X
WD	500
DOF(mm)	76.4
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	126
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	204.4*152.2
4/3"(17.8*14.3)mm	197.8*158.9
4/3"(18.4*13.8)mm	204.4*153.3

DTTL505-008XFF



Main parameters

Mag	0.08X
WD	505
DOF(mm)	103.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	130
Mount	F/M58

Field of view

4/3"(18.4*13.7)mm	230*171.3
4/3"(17.8*14.3)mm	222.5*178.8
4/3"(18.4*13.8)mm	230*172.5

