

Telecentric Lens

DTTL Series Telecentric Lens

Model No:

38mm Chip Support



DTTL Series

38mm Chip Support

Target camera



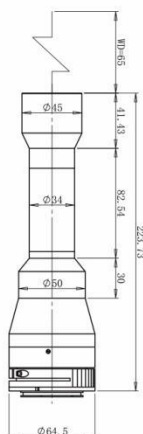
Professional customization of multiples and depth of field

Dual telecentric design
High definition Standard M58 interface

Can be equipped with a dedicated parallel light

For high-precision detection and measurement

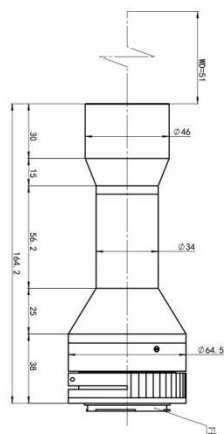
Lens Model	Mag	WD	DOF	Telecen-	Optical	Aperture	Mtf>0.3	Mount	2'chip	(31*21.7)mm
			mm	tricity	distortion	F/#	(lp/mm)		(23.04*23.04)mm	
DTTL65-152X71	1.52X	65	0.7	<0.1	<0.1	19	48	F/M58	15.16*15.16	20.39*14.28
DTTL51-13X71	1.3X	51	0.5	<0.1	<0.1	11	88	F/M58	17.72*17.72	23.85*16.69
DTTL56-1.19X71	1.19X	56	0.6	<0.1	<0.1	11	84	F/M58	19.36*19.36	26.065*18.24
DTTL100-1.08X71	1.08X	100	1.3	<0.1	<0.1	18	48	F/M58	21.33*21.33	28.7*20.09
DTTL135-09X71	0.9X	135	1.6	<0.1	<0.1	16	63	F/M58	28.8*28.8	38.75*27.13
DTTL120-0813X71	0.813X	120	2.0	<0.1	<0.1	16	50	F/M58	28.34*28.34	38.13*26.69
DTTL124-075X71	0.75X	124	2.0	<0.1	<0.1	13	72	F/M58	30.72*30.72	41.33*28.93
DTTL147-07X71	0.7X	147	3.0	<0.1	<0.1	18	56	F/M58	32.91*32.91	44.29*31
DTTL105-068X71	0.68X	105	2.8	<0.1	<0.1	15	64	F/M58	33.88*33.88	45.59*31.91
DTTL96-06X71	0.6X	96	2.2	<0.1	<0.1	9	98	F/M58	38.4*38.4	51.67*36.17
DTTL156-054X71	0.54X	156	3.8	<0.1	<0.1	14	72	F/M58	42.67*42.67	57.41*40.19
DTTL220-048X71	0.48X	220	6.1	<0.1	<0.1	17	56	F/M58	48*48	64.58*45.21
DTTL210-043X71	0.43X	210	4.8	<0.1	<0.1	10	96	F/M58	53.58*53.58	72.09*50.47
DTTL270-04X71	0.4X	270	6.9	<0.1	<0.1	13	60	F/M58	57.6*57.6	77.5*54.25
DTTL250-034X71	0.34X	250	12.1	<0.1	<0.1	17	54	F/M58	67.76*67.76	91.18*63.82
DTTL320-0328X71	0.328X	320	10.5	<0.1	<0.1	14	72	F/M58	70.24*70.24	94.51*66.16
DTTL300-0267X71	0.267X	300	15.5	<0.1	<0.1	13	60	F/M58	86.29*86.29	116.1*81.27
DTTL460-0228X71	0.228X	460	20.1	<0.1	<0.1	13	64	F/M58	101.05*101.05	135.96*95.18
DTTL320-02X71	0.2X	320	13.8	<0.1	<0.1	10	60	F/M58	115.20*115.2	155*108.5
DTTL402-0162X71	0.162X	402	25.5	<0.1	<0.1	8	100	F/M58	142.22*142.22	191.36*133.95
DTTL360-0147X71HR	0.147X	360	28.1	<0.1	<0.1	7	135	F/M58	156.73*156.73	210.88*147.62
DTTL415-012X71	0.12X	415	52.9	<0.1	<0.1	9	96	F/M58	192*192	258.33*180.83

DTTL65-152X71**Main parameters**

Mag	1.52X
WD	65
DOF(mm)	0.7
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	19
MTF>0.3(lp/mm)	48
Mount	F/M58

Field of view

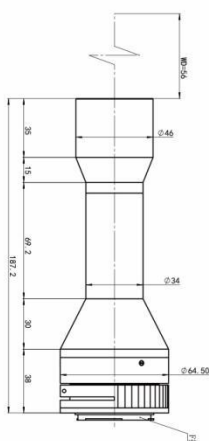
2'(23.04*23.04)mm	15.16*15.16
(31*21.7)mm	20.39*14.28

DTTL51-13X71**Main parameters**

Mag	1.3X
WD	51
DOF(mm)	0.5
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	88
Mount	F/M58

Field of view

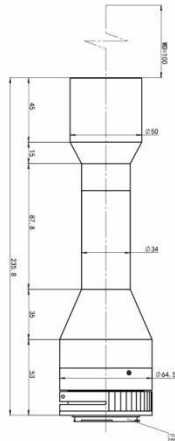
2'(23.04*23.04)mm	17.72*17.72
(31*21.7)mm	23.85*16.69

DTTL56-1.19X71**Main parameters**

Mag	1.19X
WD	56
DOF(mm)	0.6
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	84
Mount	F/M58

Field of view

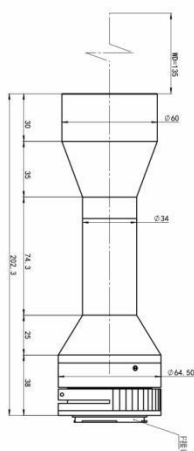
2'(23.04*23.04)mm	19.36*19.36
(31*21.7)mm	26.065*18.24

DTTL100-1.08X71**Main parameters**

Mag	1.08X
WD	100
DOF(mm)	1.3
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	18
MTF>0.3(lp/mm)	48
Mount	F/M58

Field of view

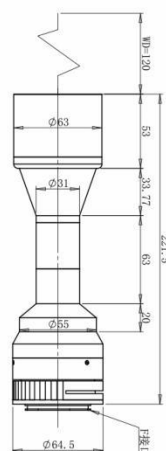
2'(23.04*23.04)mm	21.33*21.33
(31*21.7)mm	28.7*20.09

DTTL135-09X71**Main parameters**

Mag	0.9X
WD	135
DOF(mm)	1.6
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	16
MTF>0.3(lp/mm)	63
Mount	F/M58

Field of view

2'(23.04*23.04)mm	28.8*28.8
(31*21.7)mm	38.75*27.13

DTTL120-0813X71**Main parameters**

Mag	0.813X
WD	120
DOF(mm)	2.0
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	16
MTF>0.3(lp/mm)	50
Mount	F/M58

Field of view

2'(23.04*23.04)mm	28.34*28.34
(31*21.7)mm	38.13*26.69

Mag	0.75X
WD	124
DOF(mm)	2.0
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	13
MTF>0.3(lp/mm)	72
Mount	F/M58

2'(23.04*23.04)mm	30.72*30.72
(31*21.7)mm	41.33*28.93

Technical drawing of the 'L' model lamp, showing a side view with dimensions. The lamp has a total height of 242.6 units. The top section is 58 units high with a diameter of 97. The middle section is 60 units high with a diameter of 34. The bottom section is 90 units high with a diameter of 94. The base is 38 units high. The drawing also shows a top view of the lamp's head.

Mag	0.7X
WD	147
DOF(mm)	3.0
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	18
MTF>0.3(lp/mm)	56
Mount	F/M58

2'(23.04*23.04)mm	32.91*32.91
(31*21.7)mm	44.29*31

Technical drawing of a vertical pipe assembly. The drawing shows a cross-section of the pipe with various dimensions. The total height is 288.6. The top section has a height of 80 and a diameter of 107. The middle section has a height of 30 and a diameter of 100. The bottom section has a height of 30 and a diameter of 100. The bottom section also has a height of 58 and a diameter of 100. The drawing includes a scale bar and a north arrow.

Mag	0.68X
WD	105
DOF(mm)	2.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	15
MTF>0.3(lp/mm)	64
Mount	F/M58

2'(23.04*23.04)mm	33.88*33.88
(31*21.7)mm	45.59*31.91

Mag	0.6X
WD	96
DOF(mm)	2.2
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	9
MTF>0.3(lp/mm)	98
Mount	F/M58

2'(23.04*23.04)mm	38.4*38.4
(31*21.7)mm	51.67*36.17

Mag	0.54X
WD	156
DOF(mm)	3.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	14
MTF>0.3(lp/mm)	72
Mount	F/M58

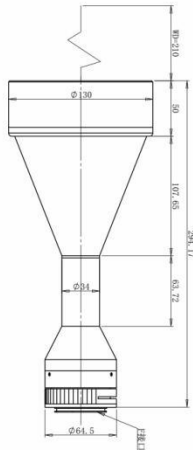
2'(23.04*23.04)mm	42.67*42.67
(31*21.7)mm	57.41*40.19

Technical drawing of a vertical pipe assembly. The drawing shows a cross-section of the pipe with various diameters and lengths. The top section has a diameter of $\varnothing 10$ and a length of 0.025-0.04. Below this is a section with a diameter of $\varnothing 24$ and a length of 10.14. The bottom section has a diameter of $\varnothing 64.5$ and a length of 82.72. A label 'FRL' points to a component at the bottom of the pipe.

Mag	0.48X
WD	220
DOF(mm)	6.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	17
MTF>0.3(lp/mm)	56
Mount	F/M58

2'(23.04*23.04)mm	48*48
(31*21.7)mm	64.58*45.21

DTTL210-043X71



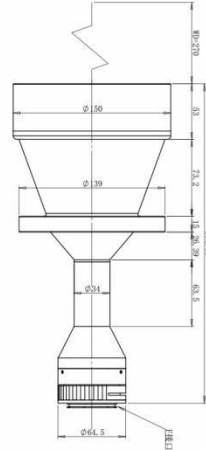
Main parameters

Mag	0.43X
WD	210
DOF(mm)	4.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	10
MTF>0.3(lp/mm)	96
Mount	F/M58

Field of view

2'(23.04*23.04)mm	53.58*53.58
(31*21.7)mm	72.09*50.47

DTTL270-04X71



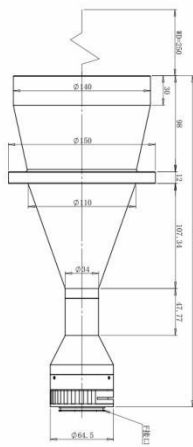
Main parameters

Mag	0.4X
WD	270
DOF(mm)	6.9
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	13
MTF>0.3(lp/mm)	60
Mount	F/M58

Field of view

2'(23.04*23.04)mm	57.6*57.6
(31*21.7)mm	77.5*54.25

DTTL250-034X71



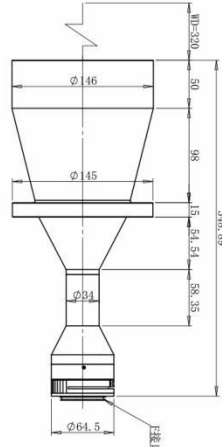
Main parameters

Mag	0.34X
WD	250
DOF(mm)	12.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	17
MTF>0.3(lp/mm)	54
Mount	F/M58

Field of view

2'(23.04*23.04)mm	67.76*67.76
(31*21.7)mm	91.18*63.82

DTTL320-0328X71



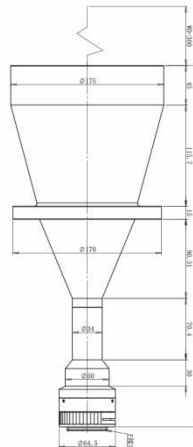
Main parameters

Mag	0.328X
WD	320
DOF(mm)	10.5
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	14
MTF>0.3(lp/mm)	72
Mount	F/M58

Field of view

2'(23.04*23.04)mm	70.24*70.24
(31*21.7)mm	94.51*66.16

DTTL300-0267X71



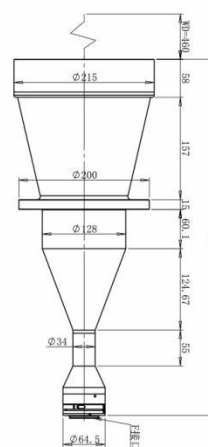
Main parameters

Mag	0.267X
WD	300
DOF(mm)	15.5
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	13
MTF>0.3(lp/mm)	60
Mount	F/M58

Field of view

2'(23.04*23.04)mm	86.29*86.29
(31*21.7)mm	116.1*81.27

DTTL460-0228X71



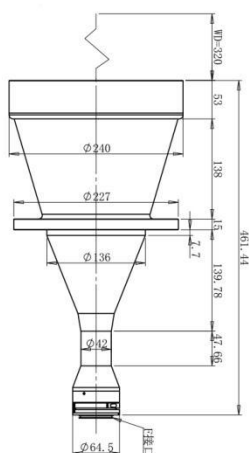
Main parameters

Mag	0.228X
WD	460
DOF(mm)	20.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	13
MTF>0.3(lp/mm)	64
Mount	F/M58

Field of view

2'(23.04*23.04)mm	101.05*101.05
(31*21.7)mm	135.96*95.18

DTTL320-02X71



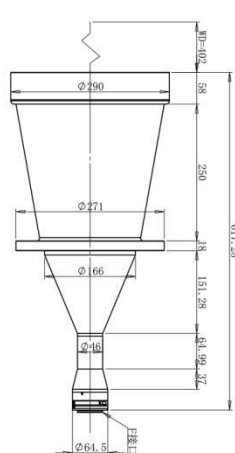
Main parameters

Mag	0.2X
WD	320
DOF(mm)	13.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	10
MTF>0.3(lp/mm)	60
Mount	F/M58

Field of view

2'(23.04*23.04)mm	115.20*115.2
(31*21.7)mm	155*108.5

DTTL402-0162X71



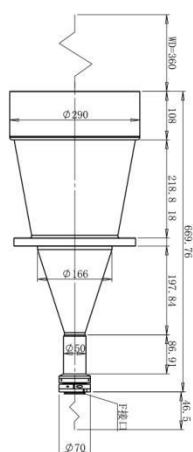
Main parameters

Mag	0.162X
WD	402
DOF(mm)	25.5
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	100
Mount	F/M58

Field of view

2'(23.04*23.04)mm	142.22*142.22
(31*21.7)mm	191.36*133.95

DTTL360-0147X71HR



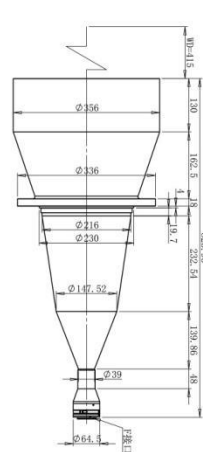
Main parameters

Mag	0.147X
WD	360
DOF(mm)	28.1
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	7
MTF>0.3(lp/mm)	135
Mount	F/M58

Field of view

2'(23.04*23.04)mm	156.73*156.73
(31*21.7)mm	210.88*147.62

DTTL415-012X71



Main parameters

Mag	0.12X
WD	415
DOF(mm)	52.9
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	9
MTF>0.3(lp/mm)	96
Mount	F/M58

Field of view

2'(23.04*23.04)mm	192*192
(31*21.7)mm	258.33*180.83