

Telecentric Lens

DTTL-X Series WD=250

Model No:

Maximum support

1.1' (18.5mm)

DTTL Series WD=250mm

Maximum support
1.1' (18.5mm)

Target camera



Professional customization
of multiples and depth of field

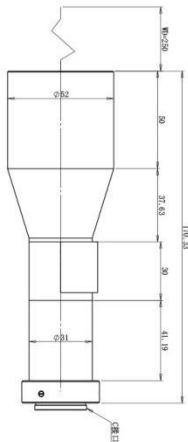
Dual telecentric design
High definition Standard C
interface

Can be equipped with a
dedicated parallel light
source

For high-precision
detection and measurement

Type	Lens Model	Mag	WD	DOF mm	Telecen-t ricity	Optical distortion	Aperture F/#	Mtf>0.3 (lp/mm)	Mount	2/3"CCD (8.8*6.6)mm	1"CCD (12.8*9.6)mm	1.1"CCD (14*10.3)mm
Non-Coaxial	DTTL250-08X20	0.8X	250	1.8	<0.1	<0.1	11	80	C	11*8.3	16*12	17.5*12.9
	DTTL250-10X20	1.0X	250	1.16	<0.1	<0.1	11	70	C	8.8*6.6	12.8*9.6	14*10.3
	DTTL210-15X20	1.5X	210	0.55	<0.1	<0.1	15	67	C	5.9*4.4	8.5*6.4	9.3*6.9
	DTTL250-20X20	2.0X	250	0.29	<0.1	<0.1	15	65	C	4.4*3.3	6.4*4.8	7*5.2
	DTTL230-25X20	2.5X	230	0.15	<0.1	<0.1	18	53	C	3.5*2.6	5.1*3.8	5.6*4.1
	DTTL210-30X20	3.0X	210	0.07	<0.1	<0.1	19	46	C	2.9*2.2	4.3*3.2	4.7*3.4
	DTTL185-40X20	4.0X	185	0.11	<0.1	<0.1	22	35	C	2.2*1.7	3.2*2.4	3.5*2.6
Coaxial	DTTL250-08T20	0.8X	250	1.8	<0.1	<0.1	11	80	C	11*8.3	16*12	17.5*12.9
	DTTL250-10T20	1.0X	250	1.16	<0.1	<0.1	11	70	C	8.8*6.6	12.8*9.6	14*10.3
	DTTL210-15T20	1.5X	210	0.55	<0.1	<0.1	15	67	C	5.9*4.4	8.5*6.4	9.3*6.9
	DTTL250-20T20	2.0X	250	0.29	<0.1	<0.1	15	65	C	4.4*3.3	6.4*4.8	7*5.2
	DTTL230-25T20	2.5X	230	0.15	<0.1	<0.1	18	53	C	3.5*2.6	5.1*3.8	5.6*4.1
	DTTL210-30T20	3.0X	210	0.07	<0.1	<0.1	19	46	C	2.9*2.2	4.3*3.2	4.7*3.4
	DTTL185-40T20	4.0X	185	0.11	<0.1	<0.1	22	35	C	2.2*1.7	3.2*2.4	3.5*2.6

DTTL250-08X20



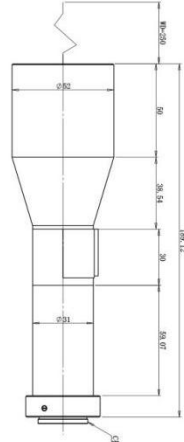
Main parameters

Mag	0.8X
WD	250
DOF(mm)	1.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	80
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	11*8.3
1" CCD(12.8*9.6)mm	16*12
1.1" CCD(14*10.3)mm	17.5*12.9

DTTL250-10X20



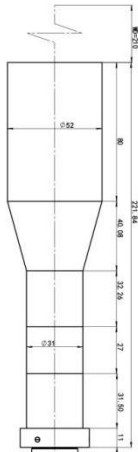
Main parameters

Mag	1.0X
WD	250
DOF(mm)	1.16
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	70
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	8.8*6.6
1" CCD(12.8*9.6)mm	12.8*9.6
1.1" CCD(14*10.3)mm	14*10.3

DTTL210-15X20



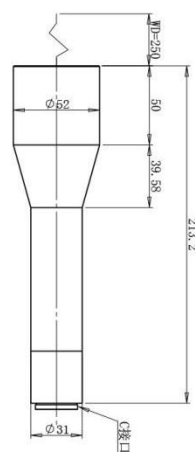
Main parameters

Mag	1.5X
WD	210
DOF(mm)	0.55
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	15
MTF>0.3(lp/mm)	67
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	5.9*4.4
1" CCD(12.8*9.6)mm	8.5*6.4
1.1" CCD(14*10.3)mm	9.3*6.9

DTTL250-20X20



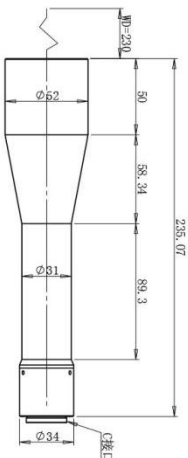
Main parameters

Mag	2.0X
WD	250
DOF(mm)	0.29
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	15
MTF>0.3(lp/mm)	65
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	4.4*3.3
1" CCD(12.8*9.6)mm	6.4*4.8
1.1" CCD(14*10.3)mm	7*5.2

DTTL230-25X20



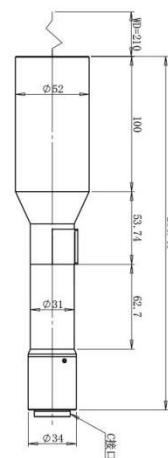
Main parameters

Mag	2.5X
WD	230
DOF(mm)	0.15
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	18
MTF>0.3(lp/mm)	53
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	3.5*2.6
1" CCD(12.8*9.6)mm	5.1*3.8
1.1" CCD(14*10.3)mm	5.6*4.1

DTTL210-30X20



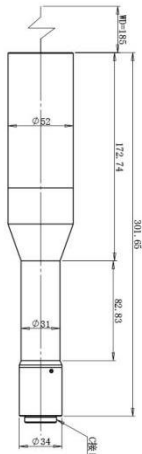
Main parameters

Mag	3.0X
WD	210
DOF(mm)	0.07
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	19
MTF>0.3(lp/mm)	46
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	2.9*2.2
1" CCD(12.8*9.6)mm	4.3*3.2
1.1" CCD(14*10.3)mm	4.7*3.4

DTTL185-40X20



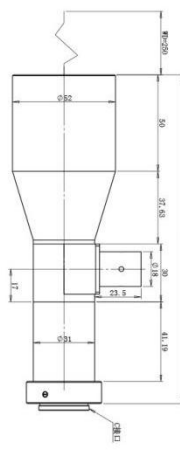
Main parameters

Mag	4.0X
WD	185
DOF(mm)	0.11
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	22
MTF>0.3(lp/mm)	35
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	2.2*1.7
1" CCD(12.8*9.6)mm	3.2*2.4
1.1" CCD(14*10.3)mm	3.5*2.6

DTTL250-08T20



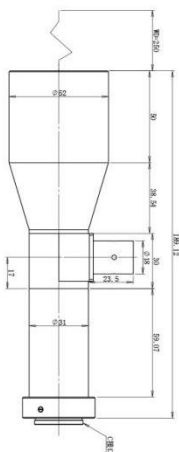
Main parameters

Mag	0.8X
WD	250
DOF(mm)	1.8
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	80
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	11*8.3
1" CCD(12.8*9.6)mm	16*12
1.1" CCD(14*10.3)mm	17.5*12.9

DTTL250-10T20



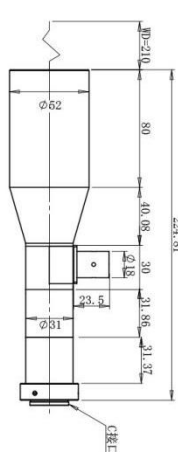
Main parameters

Mag	1.0X
WD	250
DOF(mm)	1.16
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	11
MTF>0.3(lp/mm)	70
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	8.8*6.6
1" CCD(12.8*9.6)mm	12.8*9.6
1.1" CCD(14*10.3)mm	14*10.3

DTTL210-15T20



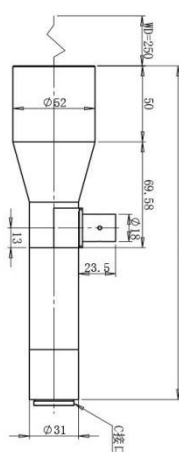
Main parameters

Mag	1.5X
WD	210
DOF(mm)	0.55
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	15
MTF>0.3(lp/mm)	67
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	5.9*4.4
1" CCD(12.8*9.6)mm	8.5*6.4
1.1" CCD(14*10.3)mm	9.3*6.9

DTTL250-20T20



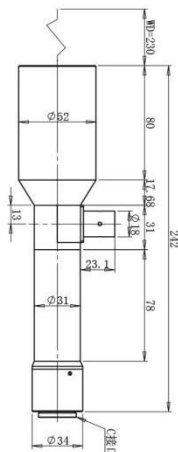
Main parameters

Mag	2.0X
WD	250
DOF(mm)	0.29
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	15
MTF>0.3(lp/mm)	65
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	4.4*3.3
1" CCD(12.8*9.6)mm	6.4*4.8
1.1" CCD(14*10.3)mm	7*5.2

DTTL230-25T20



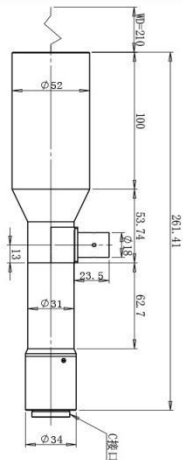
Main parameters

Mag	2.5X
WD	230
DOF(mm)	0.15
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	18
MTF>0.3(lp/mm)	53
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	3.5*2.6
1" CCD(12.8*9.6)mm	5.1*3.8
1.1" CCD(14*10.3)mm	5.6*4.1

DTTL210-30T20



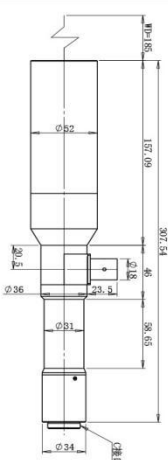
Main parameters

Mag	3.0X
WD	210
DOF(mm)	0.07
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	19
MTF>0.3(lp/mm)	46
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	2.9*2.2
1" CCD(12.8*9.6)mm	4.3*3.2
1.1" CCD(14*10.3)mm	4.7*3.4

DTTL185-40T20



Main parameters

Mag	4.0X
WD	185
DOF(mm)	0.11
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	22
MTF>0.3(lp/mm)	35
Mount	C

Field of view

2/3" CCD(8.8*6.6)mm	2.2*1.7
1" CCD(12.8*9.6)mm	3.2*2.4
1.1" CCD(14*10.3)mm	3.5*2.6

