

Telecentric Lens

DTTL-X Series WD=113mm

Model No:

Maximum support

1.2' (19.3mm)



DTTL Series WD=113mm

Maximum support
1.2'(19.3mm)

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 -tricity	Optical distortion	Aperture F/#	Mtf>0.3 (lp/mm)	Mount	1"CCD (12.4*9.8)mm	1.1"CCD (14.19*10.3)mm	1.2"CCD (14.6*12.6)mm
Non-Coaxial	DTTL113-08X12	0.8X	113	0.64	<0.1	<0.03	5	135	C	15.5*12.3	17.7*12.9	18.3*15.8
	DTTL113-1X12G	1.0X	113	0.41	<0.1	<0.05	5	135	C	12.4*9.8	14.2*10.3	14.6*12.6
	DTTL113-15X12G	1.5X	113	0.18	<0.1	<0.1	5	120	C	9.3*6.5	9.5*6.9	9.7*8.4
	DTTL113-2X12G	2.0X	113	0.16	<0.1	<0.1	8	84	C	6.2*4.9	7.1*5.2	7.3*6.3
	DTTL113-3X12G	3.0X	113	0.10	<0.1	<0.1	11	120	C	4.1*3.3	4.7*3.4	4.9*4.2
	DTTL113-4X12G	4.0X	113	0.07	<0.1	<0.1	13	120	C	3.1*2.5	3.5*2.6	3.7*3.2
	DTTL113-6X12G	6.0X	113	0.05	<0.1	<0.1	20	120	C	2.1*1.6	2.4*1.7	2.4*2.1
Coaxial	DTTL113-08T12	0.8X	113	0.64	<0.1	<0.03	5	135	C	15.5*12.3	17.7*12.9	18.3*15.8
	DTTL113-1T12	1.0X	113	0.41	<0.1	<0.05	5	135	C	12.4*9.8	14.2*10.3	14.6*12.6
	DTTL113-15T12	1.5X	113	0.18	<0.1	<0.1	5	120	C	9.3*6.5	9.5*6.9	9.7*8.4
	DTTL113-2T12	2.0X	113	0.16	<0.1	<0.1	8	84	C	6.2*4.9	7.1*5.2	7.3*6.3
	DTTL113-3T12G	3.0X	113	0.10	<0.1	<0.1	11	120	C	4.1*3.3	4.7*3.4	4.9*4.2
	DTTL113-4T12G	4.0X	113	0.07	<0.1	<0.1	13	120	C	3.1*2.5	3.5*2.6	3.7*3.2
	DTTL113-6T12	6.0X	113	0.05	<0.1	<0.1	20	120	C	2.1*1.6	2.4*1.7	2.4*2.1

DTTL113-08X12



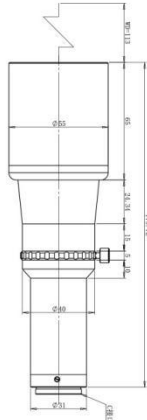
Main parameters

Mag	0.8X
WD	113
DOF(mm)	0.64
Telecentricity	<0.1
Optical distortion	<0.03
Aperture(F/#)	5
MTF>0.3(lp/mm)	135
Mount	C

Field of view

1" CCD (12.4*9.8)mm	155°123
1.1" IMX253(14.19*10.3)mm	177°129
1.2" IMX540(14.6*12.6)mm	183°158

DTTL113-1X12G



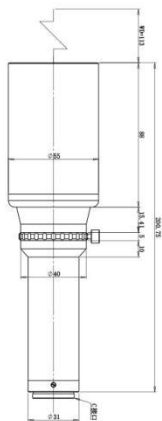
Main parameters

Mag	1.0X
WD	113
DOF(mm)	0.41
Telecentricity	<0.1
Optical distortion	<0.05
Aperture(F/#)	5
MTF>0.3(lp/mm)	135
Mount	C

Field of view

1" CCD (12.4*9.8)mm	124°98
1.1" IMX253(14.19*10.3)mm	142°103
1.2" IMX540(14.6*12.6)mm	146°126

DTTL113-15X12G



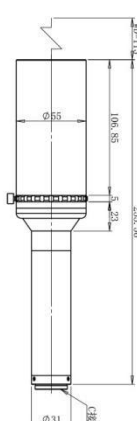
Main parameters

Mag	1.5X
WD	113
DOF(mm)	0.18
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	5
MTF>0.3(lp/mm)	120
Mount	C

Field of view

1" CCD (12.4*9.8)mm	9.3°6.5
1.1" IMX253(14.19*10.3)mm	9.5°6.9
1.2" IMX540(14.6*12.6)mm	9.7°8.4

DTTL113-2X12G



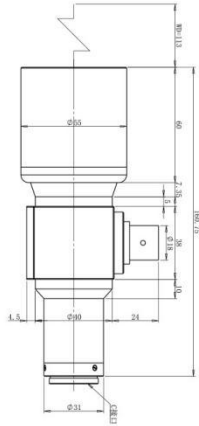
Main parameters

Mag	2.0X
WD	113
DOF(mm)	0.16
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	84
Mount	C

Field of view

1" CCD (12.4*9.8)mm	6.2°4.9
1.1" IMX253(14.19*10.3)mm	7.1°5.2
1.2" IMX540(14.6*12.6)mm	7.3°6.3

DTTL113-08T12



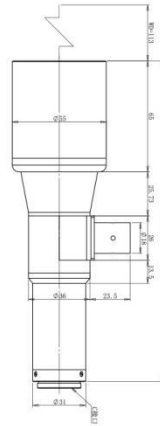
Main parameters

Mag	0.8X
WD	113
DOF(mm)	0.64
Telecentricity	<0.1
Optical distortion	<0.03
Aperture(F/#)	5
MTF>0.3(lp/mm)	135
Mount	C

Field of view

1" CCD (12.4*9.8)mm	155°123
1.1" IMX253(14.19*10.3)mm	17.7°129
1.2" IMX540(14.6*12.6)mm	18.3°158

DTTL113-1T12



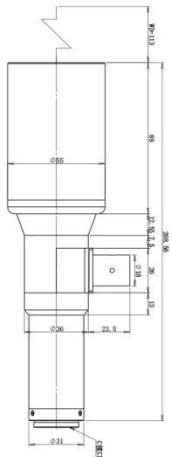
Main parameters

Mag	1.0X
WD	113
DOF(mm)	0.41
Telecentricity	<0.1
Optical distortion	<0.05
Aperture(F/#)	5
MTF>0.3(lp/mm)	135
Mount	C

Field of view

1" CCD (12.4*9.8)mm	124°98
1.1" IMX253(14.19*10.3)mm	14.2°103
1.2" IMX540(14.6*12.6)mm	14.6°126

DTTL113-15T12



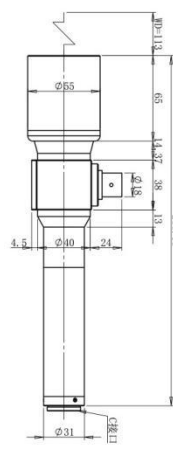
Main parameters

Mag	1.5X
WD	113
DOF(mm)	0.18
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	5
MTF>0.3(lp/mm)	120
Mount	C

Field of view

1" CCD (12.4*9.8)mm	9.3°6.5
1.1" IMX253(14.19*10.3)mm	9.5°6.9
1.2" IMX540(14.6*12.6)mm	9.7°8.4

DTTL113-2T12



Main parameters

Mag	2.0X
WD	113
DOF(mm)	0.16
Telecentricity	<0.1
Optical distortion	<0.1
Aperture(F/#)	8
MTF>0.3(lp/mm)	84
Mount	C

Field of view

1" CCD (12.4*9.8)mm	6.2°4.9
1.1" IMX253(14.19*10.3)mm	7.1°5.2
1.2" IMX540(14.6*12.6)mm	7.3°6.3

