

Telecentric Lens

HR Series WD=220mm

Model No:

Maximum support

2/3' (11mm)



HR Series WD=220mm

Maximum support 2/3'(11mm)

Target camera



Professional customization
of multiples and depth of field

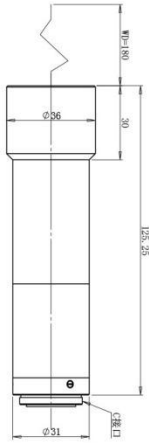
Object-side telecentric
design Standard C interface

High definition
High resolution

Multiples change
from 0.3-8.0X field of
view from 29.3-1.1mm

Type	Lens Model	Mag	WD	DOF mm	Resolution (um)	Telecen tricity	Optical distortion	1/3"CCD (4.8*3.6)mm	1/2"CCD (6.4*4.8)mm	2/3"CCD (8.4*7.1)mm
Non-Coaxial	NV180-08F23HR	0.8X	180	1.7	8.8	<0.1	<0.1	6*4.5	8*6	10.5*8.9
	NV180-1F23HR	1X	180	1.3	7.5	<0.1	<0.1	4.8*3.6	6.4*4.8	8.4*7.1
	NV180-1.2F23HR	1.2X	180	0.9	7.5	<0.1	<0.1	4*3	5.3*4	7*5.9
	NV180-2F35-16	2.0X	180	0.4	6.7	<0.1	<0.1	2.4*1.8	3.2*2.4	4.2*3.6
	NV220-08F23HR	0.8X	220	1.7	11.2	<0.1	<0.1	6*4.5	8*6	10.5*8.9
	NV220-1F23HR	1X	220	1.3	11.2	<0.1	<0.1	4.8*3.6	6.4*4.8	8.4*7.1
	NV220-2F23HR	2X	220	0.4	6.7	<0.1	<0.1	2.4*1.8	3.2*2.4	4.2*3.6
Coaxial	NV175-2T36-DZ	2.0X	175	0.4	6.7	<0.1	<0.1	2.4*1.8	3.2*2.4	4.2*3.6
	NV180-08T23HR	0.8X	180	1.7	8.8	<0.1	<0.1	6*4.5	8*6	10.5*8.9
	NV180-1T23HR	1X	180	1.3	7.5	<0.1	<0.1	4.8*3.6	6.4*4.8	8.4*7.1
	NV180-1.2T23HR	1.2X	180	0.9	7.5	<0.1	<0.1	4*3	5.3*4	7*5.9
	NV220-08T23HR	0.8X	220	1.7	11.2	<0.1	<0.1	6*4.5	8*6	10.5*8.9
	NV220-1T23HR	1X	220	1.3	11.2	<0.1	<0.1	4.8*3.6	6.4*4.8	8.4*7.1
	NV220-2T23HR	2X	220	0.4	6.7	<0.1	<0.1	2.4*1.8	3.2*2.4	4.2*3.6

DH180-08F23HR



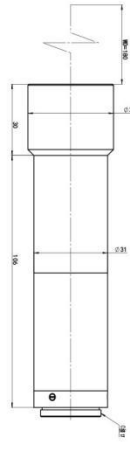
Main parameters

Mag	0.8X
WD	180
DOF(mm)	1.7
Resolution(um)	8.8
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	6°4.5
1/2"CCD(6.4*4.8)mm	8°6
2/3"CCD(8.4*7.1)mm	10.5°8.9

DH180-1F23HR



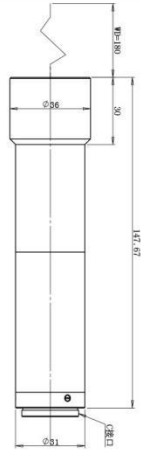
Main parameters

Mag	1X
WD	180
DOF(mm)	1.3
Resolution(um)	7.5
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	4.8°3.6
1/2"CCD(6.4*4.8)mm	6.4°4.8
2/3"CCD(8.4*7.1)mm	8.4°7.1

DH180-1.2F23HR



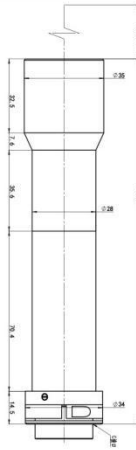
Main parameters

Mag	1.2X
WD	180
DOF(mm)	0.9
Resolution(um)	7.5
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	4°3
1/2"CCD(6.4*4.8)mm	5.3°4
2/3"CCD(8.4*7.1)mm	7°5.9

DH180-2F35 -16



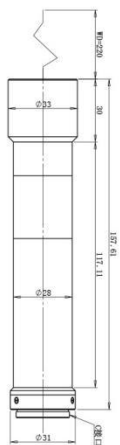
Main parameters

Mag	2.0X
WD	180
DOF(mm)	0.4
Resolution(um)	6.7
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	2.4°1.8
1/2"CCD(6.4*4.8)mm	3.2°2.4
2/3"CCD(8.4*7.1)mm	4.2°3.6

DH220-08F23HR



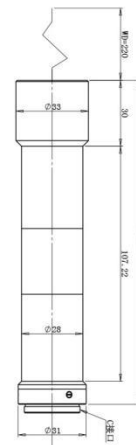
Main parameters

Mag	0.8X
WD	220
DOF(mm)	1.7
Resolution(um)	11.2
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	6°4.5
1/2"CCD(6.4*4.8)mm	8°6
2/3"CCD(8.4*7.1)mm	10.5°8.9

DH220-1F23HR



Main parameters

Mag	1X
WD	220
DOF(mm)	1.3
Resolution(um)	11.2
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	4.8°3.6
1/2"CCD(6.4*4.8)mm	6.4°4.8
2/3"CCD(8.4*7.1)mm	8.4°7.1

DH220-2F23HR



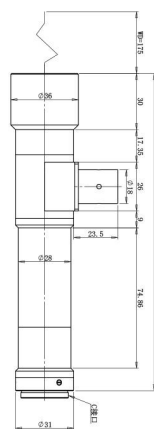
Main parameters

Mag	2X
WD	220
DOF(mm)	0.4
Resolution(um)	6.7
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	2.4*1.8
1/2"CCD(6.4*4.8)mm	3.2*2.4
2/3"CCD(8.4*7.1)mm	4.2*3.6

DH175-2T36-DZ



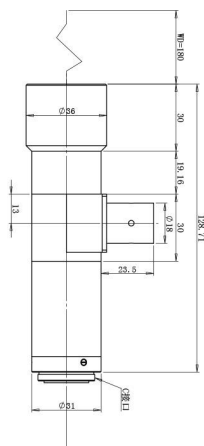
Main parameters

Mag	2.0X
WD	175
DOF(mm)	0.4
Resolution(um)	6.7
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	2.4*1.8
1/2"CCD(6.4*4.8)mm	3.2*2.4
2/3"CCD(8.4*7.1)mm	4.2*3.6

DH180-08T23HR



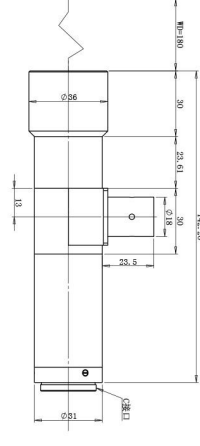
Main parameters

Mag	0.8X
WD	180
DOF(mm)	1.7
Resolution(um)	8.8
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	6*4.5
1/2"CCD(6.4*4.8)mm	8*6
2/3"CCD(8.4*7.1)mm	10.5*8.9

DH180-1T23HR



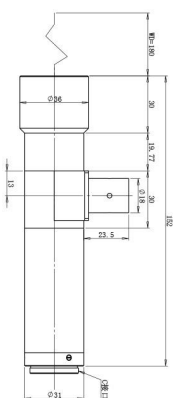
Main parameters

Mag	1X
WD	180
DOF(mm)	1.3
Resolution(um)	7.5
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	4.8*3.6
1/2"CCD(6.4*4.8)mm	6.4*4.8
2/3"CCD(8.4*7.1)mm	8.4*7.1

DH180-1.2T23HR



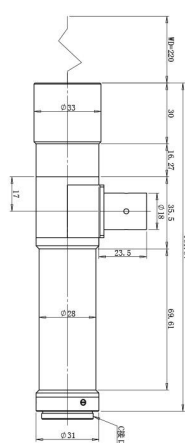
Main parameters

Mag	1.2X
WD	180
DOF(mm)	0.9
Resolution(um)	7.5
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	4*3
1/2"CCD(6.4*4.8)mm	5.3*4
2/3"CCD(8.4*7.1)mm	7*5.9

DH220-08T23HR



Main parameters

Mag	0.8X
WD	220
DOF(mm)	1.7
Resolution(um)	11.2
Telecentricity	<0.1
Optical distortion	<0.1

Field of view

1/3"CCD(4.8*3.6)mm	6*4.5
1/2"CCD(6.4*4.8)mm	8*6
2/3"CCD(8.4*7.1)mm	10.5*8.9

[illegible]

Mag	1X
WD	220
DOF(mm)	1.3
Resolution(um)	11.2
Telecentricity	<0.1
Optical distortion	<0.1

1/3"CCD(4.8*3.6)mm	4.8*3.6
1/2"CCD(6.4*4.8)mm	6.4*4.8
2/3"CCD(8.4*7.1)mm	8.4*7.1

[illegible]

Mag	2X
WD	220
DOF(mm)	0.4
Resolution(um)	6.7
Telecentricity	<0.1
Optical distortion	<0.1

1/3"CCD(4.8*3.6)mm	2.4*1.8
1/2"CCD(6.4*4.8)mm	3.2*2.4
2/3"CCD(8.4*7.1)mm	4.2*3.6