

MCZR014-003

Macro zoom revolver, C-mount

SPECIFICATIONS

Magnification	(x)	0.035	0.070	0.105	0.140
Image circle Ø	(mm)	11.0	11.0	11.0	11.0
Object field of view		(mm x mm)			
with 1/3" detector (4.8 x 3.6 mm)		137.5 x 103.1	68.6 x 51.5	45.8 x 34.4	34.3 x 25.8
with 1/2.5" detector (5.70 x 4.28 mm)		163.4 x 122.5	81.5 x 61.2	54.4 x 40.8	40.8 x 30.6
with 1/2" detector (6.4 x 4.8 mm)		183.4 x 137.5	91.5 x 68.6	61.1 x 45.8	45.8 x 34.3
with 1/1.8" detector (7.13 x 5.37 mm)		204.2 x 153.8	101.9 x 76.8	68.0 x 51.2	51.0 x 38.4
with 2/3" - 5 MP detector (8.45 x 7.07 mm)		242.0 x 202.4	120.8 x 101.0	80.6 x 67.4	60.4 x 50.5

Optical specifications

Working distance	(mm)	532.3	...	...	...
F/# (wF/#) (1)		4.8 (5)	4.7 (5)	4.5 (5)	4.4 (5)
Distortion	(%)	< 1	< 0.2	< 0.1	< 0.05
Field depth (2)	(mm)	100	25	11	6
CTF @ 70 lp/mm	(%)	> 40	> 40	> 60	> 60

Mechanical specifications

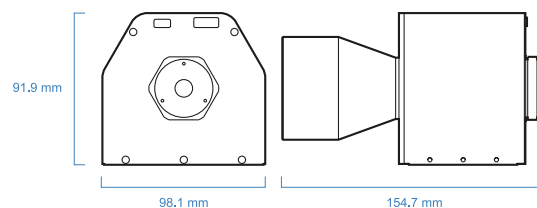
Mount		C	...	...	...
Length (3)	(mm)	154.7	...	...	...
Width x height	(mm)	98.1 x 91.9	...	...	...
Mass	(g)	1000	...	...	...

NOTES

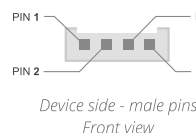
1. F/# = F-number, wF/# = working F-number, the real F-number of a lens when used as a macro. Lenses with smaller apertures can be supplied on request.
2. At the borders of the field depth the image can be still used for measurement but, to get a very sharp image, only half of the nominal field depth should be considered.
3. Measured from the front end of the mechanics to the camera flange; take into account a +/- 2.5 mm tolerance due to the focussing mechanism.

COMPATIBLE PRODUCTS

LTRN036NW	Ring LED illuminator, inner diameter 61 mm, straight type, white
COCB243P0600	Electric cable for TCZR and MCZR products
COCBUSB20	USB cable for TCZR and MCZR products



CONNECTION



Pinout reference

PIN	FUNCTION
1	Shielding pin
2	GND
3	Power supply (+24 V)
4	-

