

# MCZR018-004

Macro zoom revolver, C-mount

## SPECIFICATIONS

Magnification	(x)	0.047	0.094	0.141	0.188
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)		102.3 x 76.7	51.0 x 38.3	34.1 x 25.5	25.5 x 19.1
with 1/2.5" detector (5.70 x 4.28 mm)		121.5 x 91.1	60.6 x 45.5	40.5 x 30.3	30.3 x 22.7
with 1/2" detector (6.4 x 4.8 mm)		136.4 x 102.3	68.1 x 51.0	45.4 x 34.1	34.0 x 25.5
with 1/1.8" detector (7.13 x 5.37 mm)		151.9 x 114.4	75.8 x 57.1	50.6 x 38.1	37.9 x 28.6
with 2/3" - 5 MP detector (8.45 x 7.07 mm)		179.9 x 150.5	89.8 x 75.1	59.9 x 50.1	44.9 x 37.6

### Optical specifications

Working distance	(mm)	384.8	...	...	...
F# (wF#) (1)		4.8 (5)	4.6 (5)	4.4 (5)	4.2 (5)
Distortion	(%)	< 1	< 0.2	< 0.1	< 0.05
Field depth (2)	(mm)	55	14	6	3.5
CTF @ 70 lp/mm	(%)	> 40	> 40	> 60	> 60

### Mechanical specifications

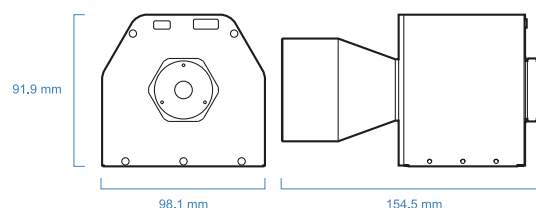
Mount		C	...	...	...
Length (3)	(mm)	154.5	...	...	...
Width x height	(mm)	98.1 x 91.9	...	...	...
Mass	(g)	1000	...	...	...

## NOTES

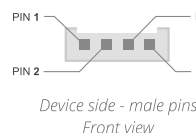
1. F/# = F-number, wF/# = working F-number, the real F-number of a lens when used as a macro. Lenses with smaller apertures can be supplied on request.
2. At the borders of the field depth the image can be still used for measurement but, to get a very sharp image, only half of the nominal field depth 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	-

