

User Manual

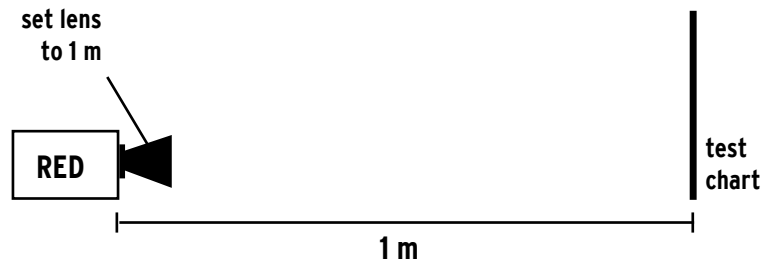
IMS conversion for RED One

Collimation Instructions

Please note, without proper adjustment of the IMS mount for RED One, sharpness may not be accurate.

You need the following items at hand

- RED One with IMS Mount
- Properly collimated lens
- Properly collimated IMS lens mount
- Test chart or something similar
- Class 1 HD Monitor



f) Connect IMS lens mount and lens to the RED One camera, camera should be on a tripod.

g) Setup the test chart in exactly 1 m distance from the camera. Take the measurement from the camera front as marked in the picture.

h) Set your lens for a distance of 1 m

i) Add or remove shims from below the flange ring (2a) until the image from the camera is sharp. Control image sharpness only with a high resolution monitor.

Note: the measured distance and the distance set on the lens have to correspond.



measure distance from image plane marking



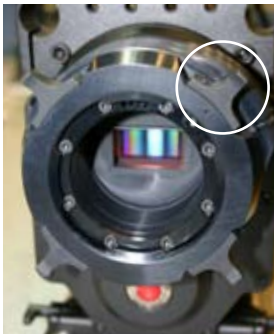
Interchangeable Mount System (IMS)

Delivery content

Position Number 2, 3 and 5, 6, 7

Pos. No.	Art. No.	Description	Amount
2	24526	Flange and cover ring coupled	1
3	24527, 24528, 24529, 24530, 24532, 24533, 24736	Set of adjustment shims for RED One front	one each
5	22016	Screws M4 x 12	8
7	24564	front cover	1

Disassembling Instructions for Red One Mount



1) Remove wings
(tool: Inbus 2,0 mm)



4) Completely remove
two screws
(Inbus 4,0 mm)



2) Remove position
screw
(Inbus 1,5 mm)



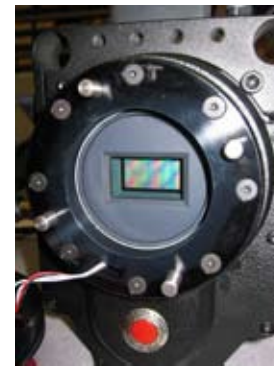
5) Open adjustment
ring and carefully
pull off to front



3) Unscrew
clamping ring



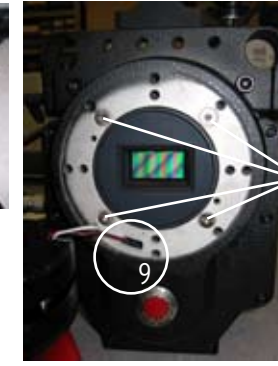
6) Open 8 screws
(Tx10) and remove
PL ring



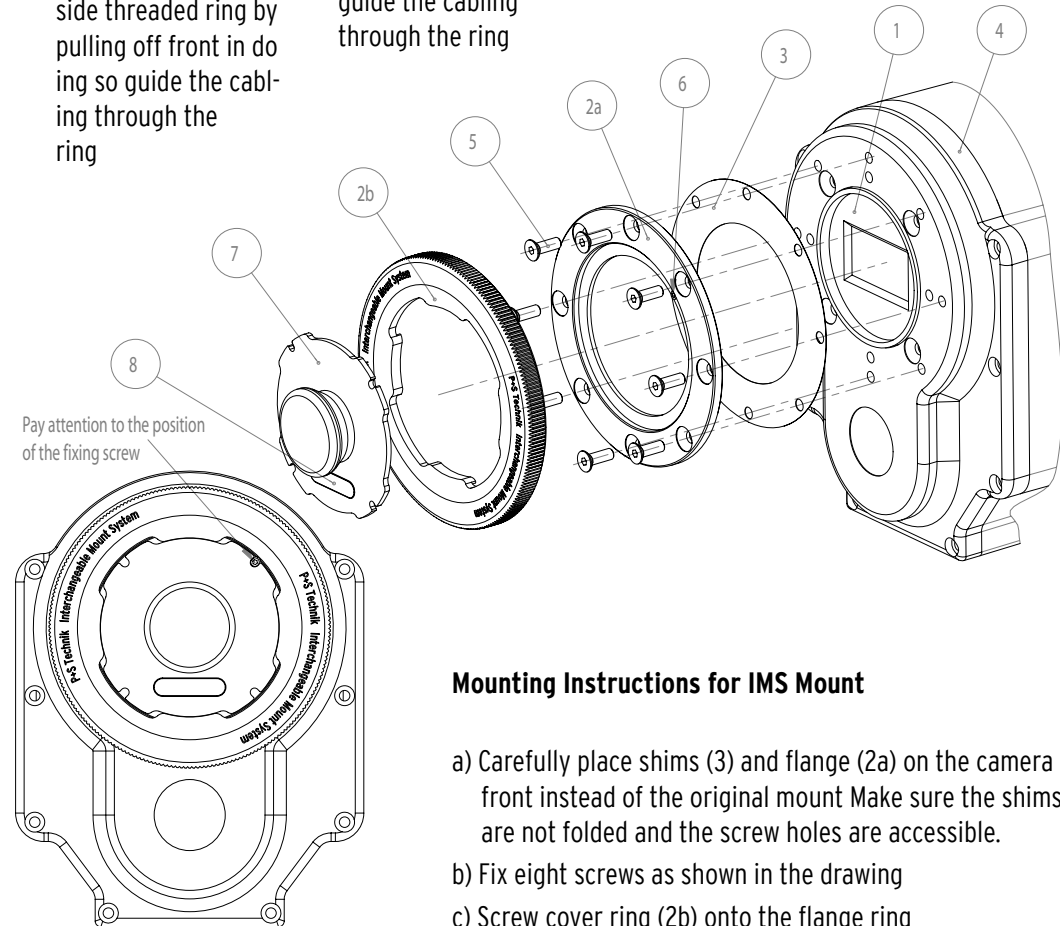
7) Carefully detach front
side threaded ring by
pulling off front in do
ing so guide the cabl-
ing through the
ring



8) Open 8 screws
(Tx20 mm) and
carefully detach the
second threaded ring
and again in doing so
guide the cabling
through the ring



9) Store the
cabling inside the
milled hole in the
camera housing.
IMPORTANT:
Never open
marked screws
(if there are
any), since RED
One product
guarantee
will be lost !



Mounting Instructions for IMS Mount

- Carefully place shims (3) and flange (2a) on the camera front instead of the original mount. Make sure the shims are not folded and the screw holes are accessible.
- Fix eight screws as shown in the drawing
- Screw cover ring (2b) onto the flange ring