

T-HOUSING DOME1 DESCRIPTION

The new **DOME1** housing for the **Insta360 ONE R with 1-inch module** raises the video and photo quality underwater to a completely new level, which was previously only possible with DSLR or system cameras together with very high-priced housings.

The basis for this recording quality is of course the Insta360 ONE R, which offers an outstanding recording quality with the 1-inch module (not included with the housing). The 1 inch sensor is about 4x the size of all conventional action cameras and, supported by the Leica lens, beats everything we have seen so far in this product and price range - especially in adverse lighting conditions, as always prevail underwater.

On this basis, we have created an underwater housing that not only shines with the quality of the camera, but also with outstanding optical qualities that are unique in this price segment.

What is the problem of a flat front glass in underwater cases?

- It breaks the incoming light rays by about 25 percent. This also increases the focal length accordingly and reduces the viewing angle.
- Radial distortion occurs. The effect is a blurring that gets stronger and stronger from the sharpest point in the center of the image to the outer edge.
- Chromatic aberrations occur, light rays are bent unevenly when they come from the water to the housing, causing the different colors to shift - especially in the outer areas.

A dome port eliminates these effects almost completely: the viewing angle is retained, the image is not distorted towards the edge and the images are sharp right up to the edge.

To enable the use of a dome port for the Insta360 ONE R 1-inch, we use a coated corrective lens. This can be pushed down with a handle, which enables sharp pictures above water.

We use the same magnetic sliding system for the two integrated color filters (red and magenta). It has never been so easy to use the color filters flexibly underwater.

Like our other housings, the **DOME1** is also made of aluminum and "Made in Germany". The basic housing and the dome base consist of only one part, which is milled from a 5kg aluminum block. Each individual housing is pressure-tested to a maximum diving depth of 80m before delivery.

The **DOME1** enables an underwater recording quality for which you previously had to invest several thousand euros. Nevertheless, it is light and compact enough to find space in small luggage.

The total weight including camera is about 1150g, whereby it has so much buoyancy underwater that together with our aluminum diving mount (not included - item no. 200 179 01) it only has a slight downforce and almost floats in the water.

The **DOME1** comes fully equipped with a lens and filter system, fully assembled and with a neoprene bag. The standard battery or the larger boosted battery can be used, as a corresponding adapter is included.