de Wijs apparatenbouw
Vleugelboot 68,
3991CL, Houten
the Netherlands

DE WIJS
THE ART OF VIEWING

Tel. +31 (0)30-6364928
Fax. +31 (0)30-6361723
e-mail: info@dewijs-3d.com
Website: www.dewijs-3d.com

User manual for:
Single slide outdoor viewer
Model 12-04-Dx-d



The contents are subject to changes without giving notice. Last update December 2019

General:

The single slide 3D outdoor viewer is intend to be used for viewing 3D or 2D images in public areas.
Two versions are available, with achromatic or plano convex single element lenses. The achromatic lenses are colored coated and build up out of 2 glass elements.

12-04-DA; model with achromatic lenses
12-04-DP; model with Plano convex lenses.

Changes:

- Initial version March 2007, wedge shaped casted housing. The viewer drops its ‘head’ to avoid sun burn-in the slides.
- June 2012: Milled housing instead of casted. A new feature with respect to the previous version of the outdoor viewer is the internal sun protective shutter. It prevents the slide to get burned at the front side and faded in color from the rear side. The visitor should turn the knob at the right side of the viewer to be able to view the slide and to let light get through.
- January 2016: update of previous version; Better bearing of the sun shutter, knob changed to counterweight design to get rid of the spring. Slide holder is milled instead of metal cutting. Optional backlight build in. Optional heating to avoid condense.
- June 2019: stopped with counterweight solution in the knob. Changed to a spiral spring mounted against the sun shutter. Also changed from needle bearing to regular ball bearing and 1 single M8 bold to connect shutter and knob.
- December 2022 (c); Added ceiling isolation by means of felt to absorb condense as well. Added dust filter cap on the bottom of the viewer.

Opening the viewer.

- At the bottom of the viewer, 4 security bolts are situated on the four corners.
- With the security bit, optionally ordered, you can unscrew the bolts. Model: snake eyes size 12.



- With the security bit, optionally ordered, you can unscrew the M6 sunken screws. Model: Torx 30 with hole. (T30H)



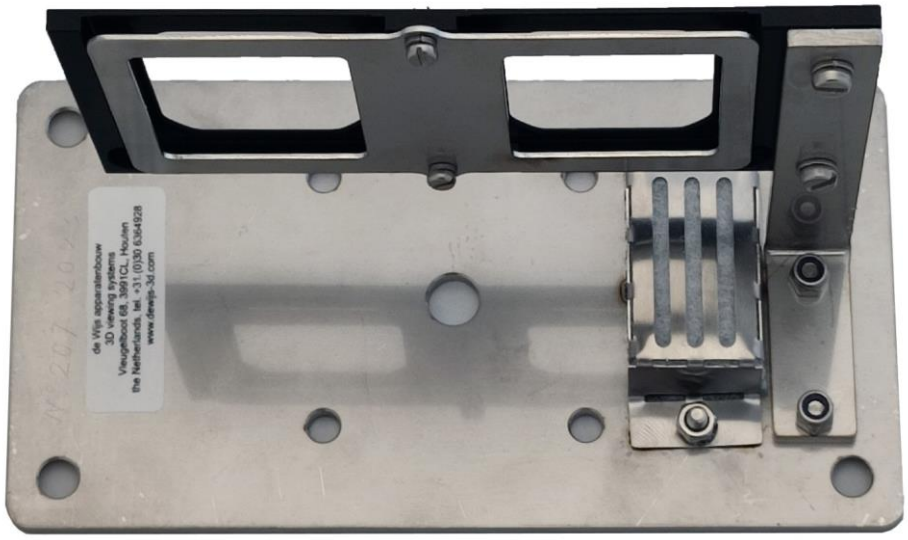


- Lift the housing of the viewer upwards when the bottom is faced down. The bottom base plate should stay on the table and the slide frame bracket is accessible.

Replacing the slides

The viewer is able to accommodate 2 types of slide frame systems;

- 2x 50x50 mm. slide frames or
- A single 3D slide frame of 41x101 mm.



Rear view

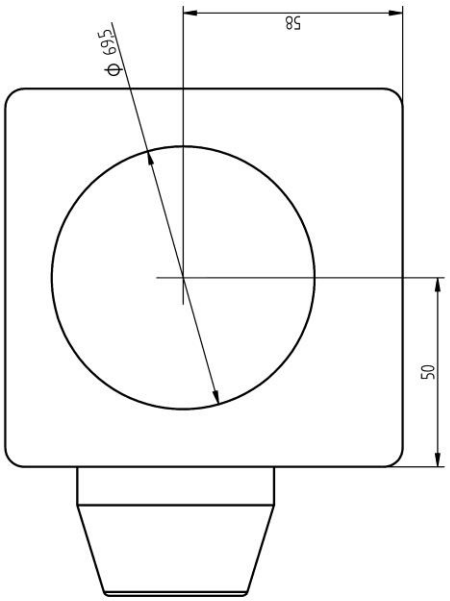
(image of internal construction is different with c-series, although the purpose is the same)

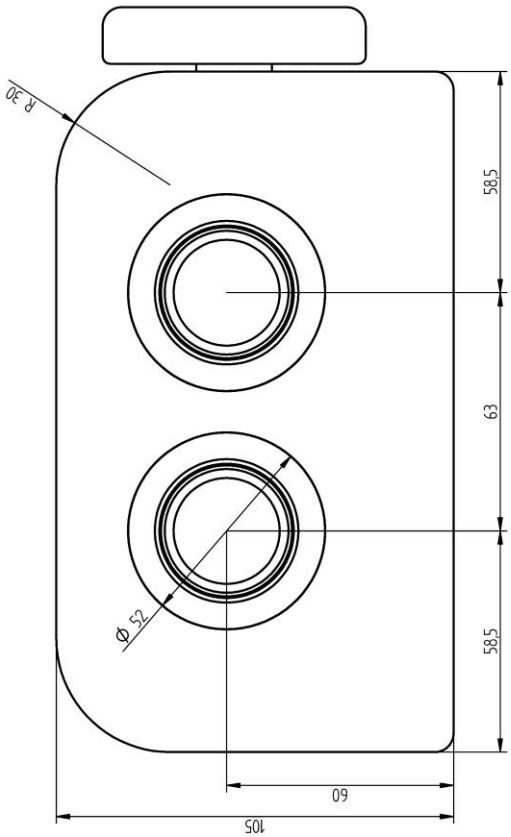
You need to take the two M3 screws out of the frame to take the stainless steel cover away to be able to exchange slides.

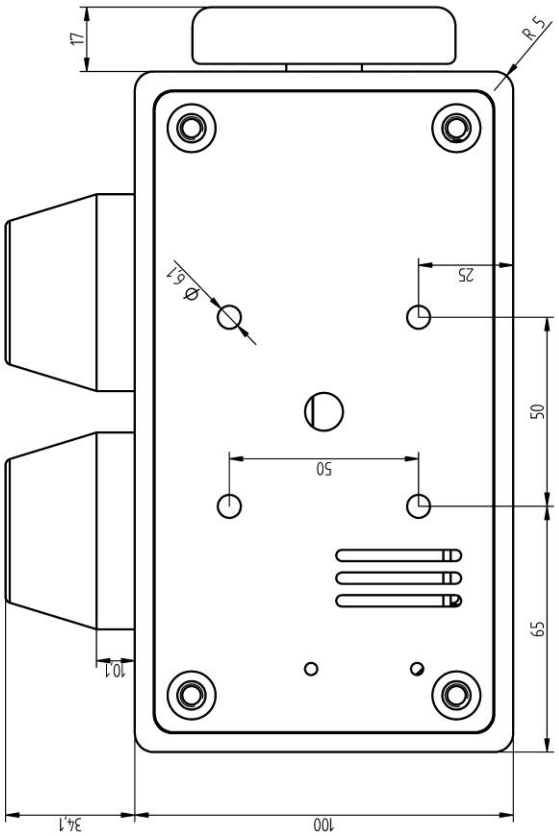
Mounting the viewer on a post

At the bottom of the viewer, 4 holes allows the viewer to be mounted on a post or other base. Some recommendations to keep in mind:

- View direction horizontally. Pointing the viewer enclosure upwards is difficult for adults to view, pointing downwards could cause damage of the slide by sunlight during a very short period when the sun shutter is held open! Or at least locate the viewer in such a position to avoid the sun is able to enter the lenses directly at any moment of the day.
- Keep the ventilation slots at the bottom of the viewer open. Allowing water and condense to be drained and vaporized.

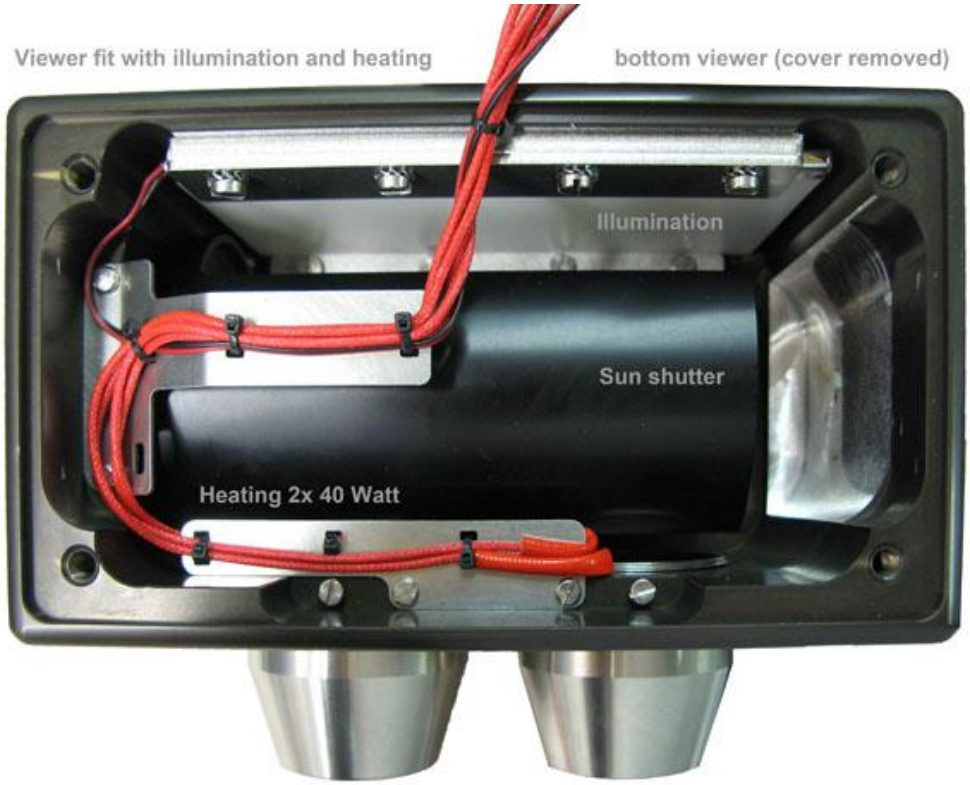






4 holes of 6 mm. and 6 similar bolts should give enough stability to mount the viewer on a flat base.

Added options such as heating the enclosure and illumination:



Heating the enclosure of the viewer is achieved by 2 heating element.
Two sets of red leads come directly from the elements.
Power: 12V each. 40 Watt each. (3.33A)
They can be connected in series of parallel to 40 or 80 Watts.

The LED panel has a thin black-red lead.
Power 12V at 100mA.
Color: 4200K.
Size: 80x130 mm. outside dimensions.