



The **3D Image Vector** is an IMU attachment for all commercially available cameras with ISO flash shoe for creating georeferenced photos. Out of these photos you can generate point clouds, surface & terrain models and also orthophotos.

# 3D ImageVector -- Neo --

**GPS/GLONASS  
WAAS/SBAS**

up to 2.0 meters accuracy

GPS, GLONASS, WAAS/SBAS

0.5° IMU (roll/pitch/yaw)

with 9DOF (degrees of freedom)

up to 10Hz data recording

up to 8 hours of recording

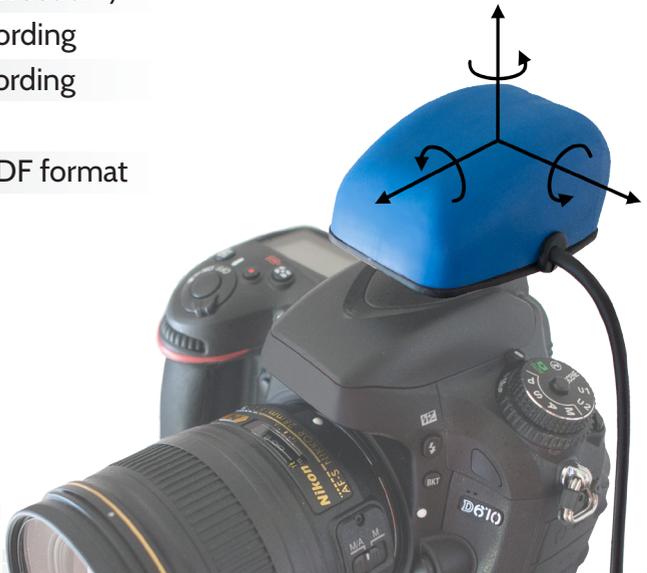
transport case

manual/instruction in PDF format

Use the camera attachment for  
photogrammetric projects and  
documentation.

For object sizes up to 30m

- Bridges and masonry
- Infrastructure
- Geology, natural hazards
- Measurement from helicopters
- Etc.





Use our  
Photogrammetric Cloud Service

## Functionality

By using the 3D ImageVector, you can create georeferenced images in a fast way and with almost every commercial camera. For every image, the position and the rotation angles are recorded and can be used for further processing. If, for example, the images are taken with high overlap, direct georeferencing for 3D pointcloud generation can be applied.

You will receive true to scale 3D pointclouds, 3D models and ortho-views with reduced or without using additional Ground Control Points for georeferencing.

## Benefits

Easy in use and inexpensive, the REDcatch 3D ImageVector enables you to get accurate 3D measurements from Photogrammetric projects.

The ImageVector is the ideal terrestrial tool for combining UAV images and terrestrial images, as image position and angles are known for processing.

## Accuracy

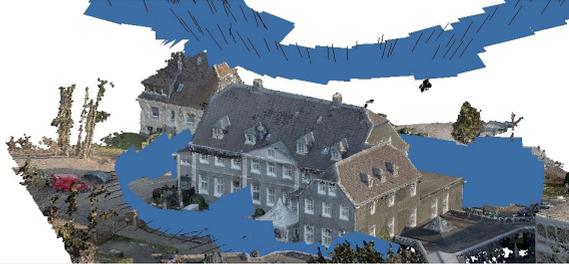
The GNSS technology L1 with SBAS allows the determination of the image centers up to 2m accuracy. You can significantly improve the absolute accuracy by introducing few pass points (3-5 pieces).

## NATURAL HAZARDS / GEOLOGY

3D view of a rock wall  
- resolution 5mm



## UAV + 3D IMAGEVECTOR



## HELICOPTER

Infrastructure  
monitoring



Your local partner: