QUICK START

How to achieve optimal results quickly

The full manual is available at www.fovea.eu
How to proceed

1. START THE FOVEA APP
2. TAKE PICTURES OF THE WOODPILE
3. PANORAMIC PHOTO WILL BE CREATED
4. POST-PROCESSING
5. RESULTS
6. EXPORT DATA / SYNCHRONIZE WITH THE FMS

PDF, ELDAT, XML, CSV
Distance to the woodpile

Select distance: woodpile takes up approx. 85% of the photo height.

Optimal results will be achieved when the bottom edge of the woodpile is in parallel to the photo.

**Woodpile height up to 3m** Distance 2 to 4 m

**Woodpile height more than 3 m** Distance 3 to 5 m
Holding the device correctly

- Camera has to be in **parallel** to the pile.
- Distance between photos should be **constant**.
- The **first and last photo** of the woodpile are most important for a correct result.
- Keep device **vertically**.
- Photo overlap should be at least **60%** (step one meter to the side).
Woodpile dimensions

For a pile with a width greater than 40 m divide the woodpile into sections (Ill. above). Measure each section as a separate woodpile.

Piles with a width under 5 m should be measured using just one image.

Mark separation with spray paint.
Measuring the woodpile width

Mark the measurement points significantly with spray paint to find them easily in the picture.

The right woodlog is entered as an underlay.

Measure inch-perfect!

Measure the widest part of the woodpile inch-perfect!
From the far left side of the leftmost woodlog to the far right side of the rightmost woodlog.

Wrong:
Photooptical Calculation

Take photos of the woodpile

Preview overview (A) All photos of the current woodpile

Vertical pose notification (B) Optimal results can be achieved if the device is in parallel to the woodpile (green rectangle on the screen)

Take photos (C) Generate a photo by pushing the camera button on the screen
During strong lighting condition, the focus can be set to the darker area of the image which changes the exposure of the camera. Adjust the focus so that the trunks are clearly visible.

Badly illuminated picture caused by backlight. By setting the focus to the darker area of the preview a better result can be achieved.

With strong backlight move your hand above the camera. The exposure will then automatically be adjusted.
Photooptical Calculating
Post-processing

Circle markers can be modified
Picture is scalable and can be moved
Photooptical Calculation
Post-processing

**Note!** The post-processing of the photo is only possible **right after the shooting**. A correction at a later time is not possible.

**Tip!** For an easy editing it is recommended to enlarge the photo significantly.

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**Delete circle**
Touch circle marker and hold

**Add circle**
Touch the unmarked log briefly in its middle

**Move circle**
Move the circle to a new position by dragging your finger across the screen without losing contact

**Increase/Decrease circle size**
Mark the circle and then use the ruler on the side of the screen to change the size.

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**Both outer logs (left and right) have to be marked as exactly as possible!**
**Common mistakes**

Individual photos have not been captured in parallel to the woodpile (Fig. above/right). The panoramic image is deformed.

Incorrectly marked woodlogs have not been removed. The image section has not been chosen correctly; a second woodpile in the background has been recognized.

Incorrectly marked woodlogs have not been removed. The woodpile has to be post processed.
Avoid mistakes

Are pictures stitched incorrectly? Check:

- Did you keep a constant **distance** to the woodpile?
- Are pictures **overlapping** with a minimum of 60%?
- Was the device held **vertically to the pile** (green orientation rectangle)?

If pictures are not stitched correctly please send them to support@fovea.eu for further investigation by our software engineers.
Optimal Result

Best results can be achieved considering this points:

- The wood should be **as fresh as possible**.
- Woodpile takes up approx. **85% of the photo height**
- Camera has to be in **parallel** to the pile.
- Distance between photos should be **constant**.
- The **first and last photo** of the woodpile are most important for correct counting.
- Keep device **vertically**.
- Photo overlap should be at least **60%** (step one meter to the side).
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