

Model Linear-1024

### USER MANUAL

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#### Notation



left-click





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TeraSense camera is sensitive to polarization. Preferred direction of electric field is along the long axis as indicated in the figure.



Congratulations, you are done!

TSV (TeraSense Vieer) icon is created on your desktop and Terasense folder is created in your Start Menu.

### Software Installation Advanced

TeraSense software depends on the following Python packages:



If you have all of them installed, you only need to download and install Terasense package proper:



Terasense-KERI-1 .5.2.win32.exe

When software installation finishes, connect your device to PC using USB-miniUSB cable and wait for Windows installing driver for the device controller (Opal Kelly XEM6001).

You can obtain missing packages from the respective repositories, or from complete software package on our website (in the "prerequisites" folder):



# Getting started



When connecting for the first time to a new PC you'll need to wait while Windows installing drivers for the device.

TeraSense camera is sensitive to changes in temperature. If you bring camera from a cold or hot place, please, wait until its temperature comes into balance and you'll likely need to take new recording of background data (see p.13).



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### Software operation Region of interest





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## Software operation Options



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### Software operation Background compensation



Do not forget to switch off radiation source before recording background information if!

### Software operation Saving Image



#### Software operation Recording video



Generally, video is recorded at actual frame rate, but if it is less than 1 fps, frame rate of the video would be 1 fps.

## Drawings



# Troubleshooting



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