Harvester was created to be a public and friendly image acquisition library for all people who those want to learn computer/machine vision. Technically speaking, Harvester is a Python library which is responsible for the following tasks:

Image acquisition

Device manipulation

Image data visualization (optional)

Harvester consumes image acquisition libraries, so-called GenTL Producers. If you have an officially certified GenTL Producer and GenICam compliant machine vision cameras, then Harvester supply you the acquired image data as numpy array to make your image processing task productive.

You can freely use, modify, distribute Harvester under Apache License-2.0 without worrying about the use of your software: personal, internal or commercial.

Currently, Harvester is being developed and maintained by the motivated contributors from all over the world.

Where is the name from?

Harvester’s name was coming from the great Flemish painter, Pieter Bruegel the Elder’s painting so-called “The Harvesters”. Harvesters harvest a crop every season that has been fully grown and the harvested crop is passed to the consumers. On the other hand, image acquisition libraries acquire images as their crop and the images are passed to the following processes. We found the similarity between them and decided to name our library Harvester.