



1. MVHarvest – package for the off line harvesting for the Mantis-Vision RING setup
2. Package install:

```
>>> pip install <Directory>\ MVHarvest-<ver>-py3-none-any.whl
```

Where the ver : MVHarvest package current version

<Directory> path to the MVHarvest package install file.

3. Package upgrade:

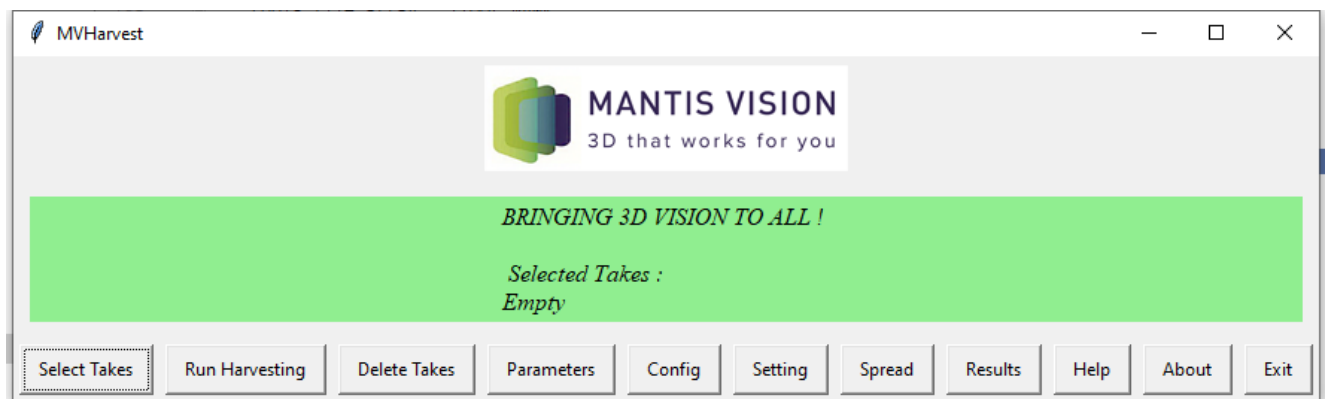
```
>>> pip install git+https://gitlab.com/gennady.oren/mvharvest --upgrade
```

4. Run application:

```
>>> mvharvest-tool -g
```

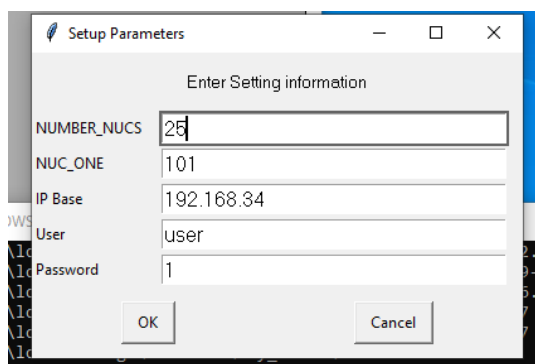
5. Configuration:

GUI main window:



First:

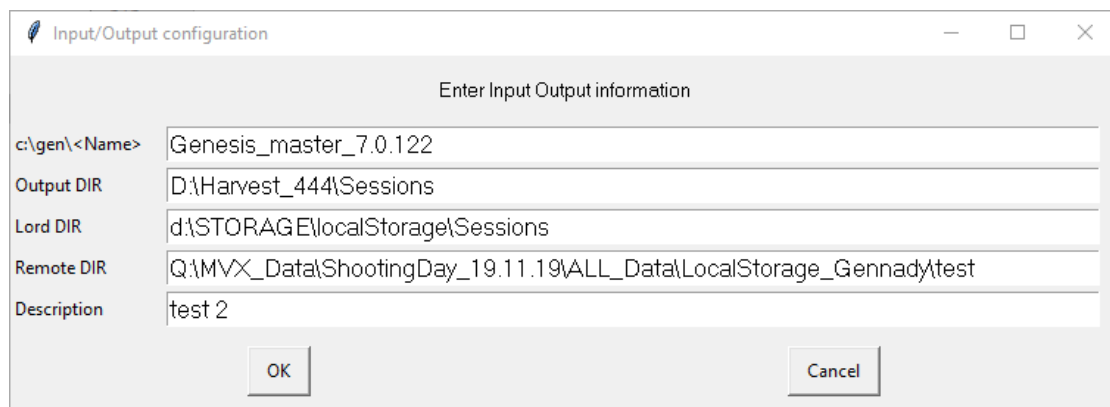
Push button “Settings”:



Insert the system parameters:

- NUCs Number
- Number of the first NUC
- Network base address
- User name (not change this parameter)
- Password (not change this parameter)

Push button “Config”:

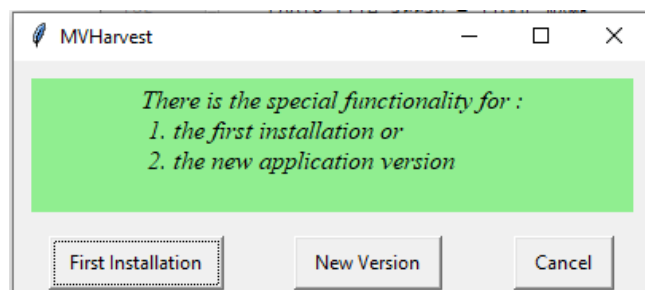


Insert:

- Name of the project directory
- Output directory name
- LORD Takes directory location
- Remote DIR: keeps the temporary data (if the field is empty – using default [remoteStorage])
- Short description for the sessions

First Installation or for the new version – need to spread the offline harvest functionality to the NUCs and LORD.

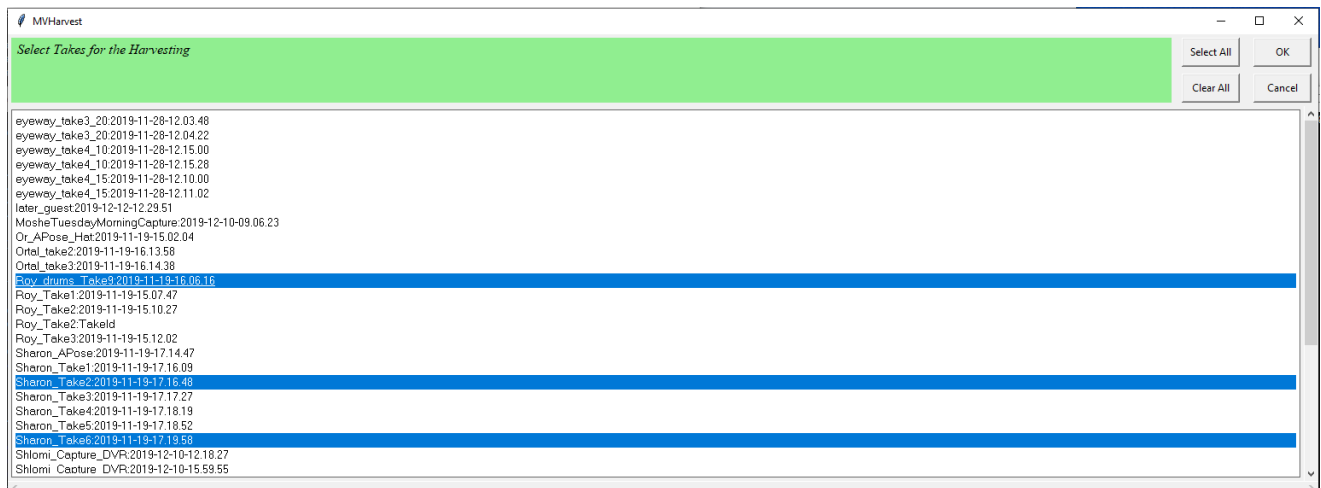
Push button “Spread”:



Select:

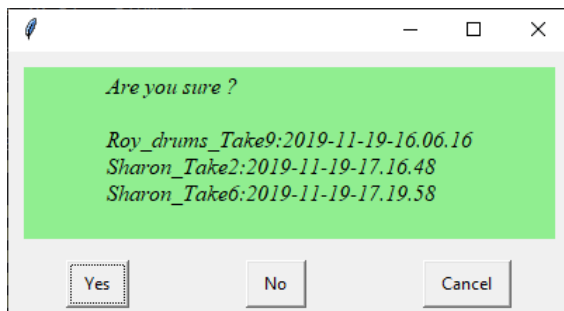
- “First Installation” – once in the first time for the system
- “New Version” – for the start to work with the new version
- “Cancel” – do nothing and continue to work

6. Select takes for the harvesting “Select takes” push button:



Select one or more of the takes.

Push “OK”



- Push “Yes” button if the selection is correct
- Push “No” button to return to the select takes window
- Push “Cancel” to stop the operation

7. Run harvesting – push “Run Harvesting” button.

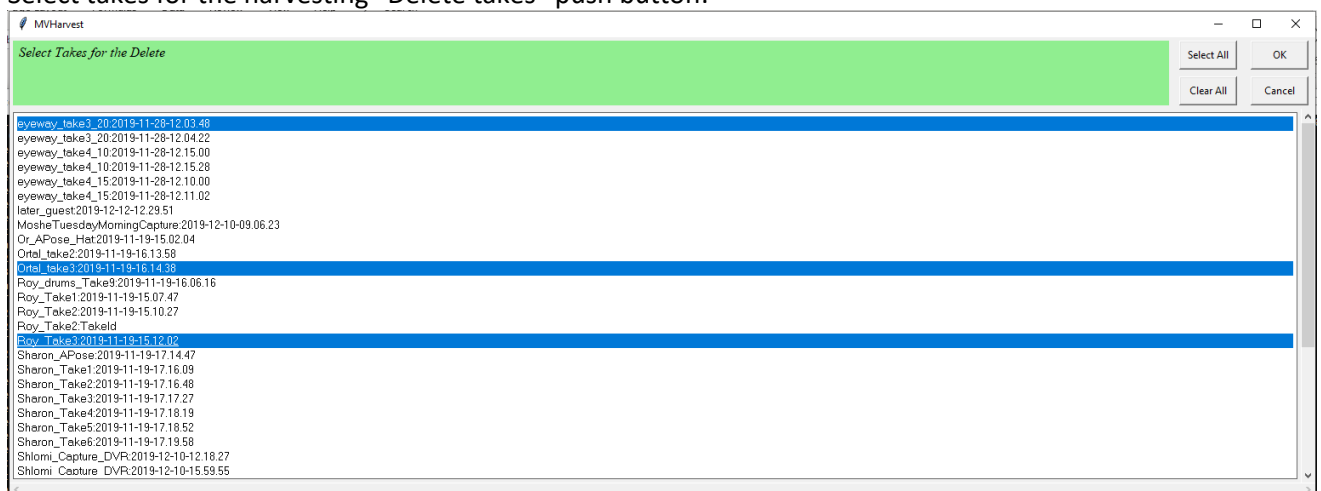
8. Wait the harvesting process is finished (progress could be check on the cmd window)

9. Result locates in the <OUTPUT_DIR>_OUT:

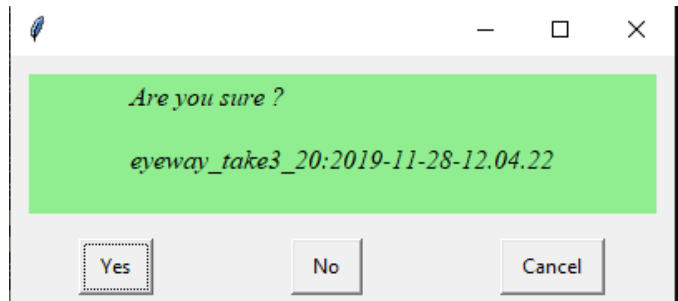
Summary information in the file “harvest_result.csv”

10. Takes delete:

Select takes for the harvesting “Delete takes” push button:

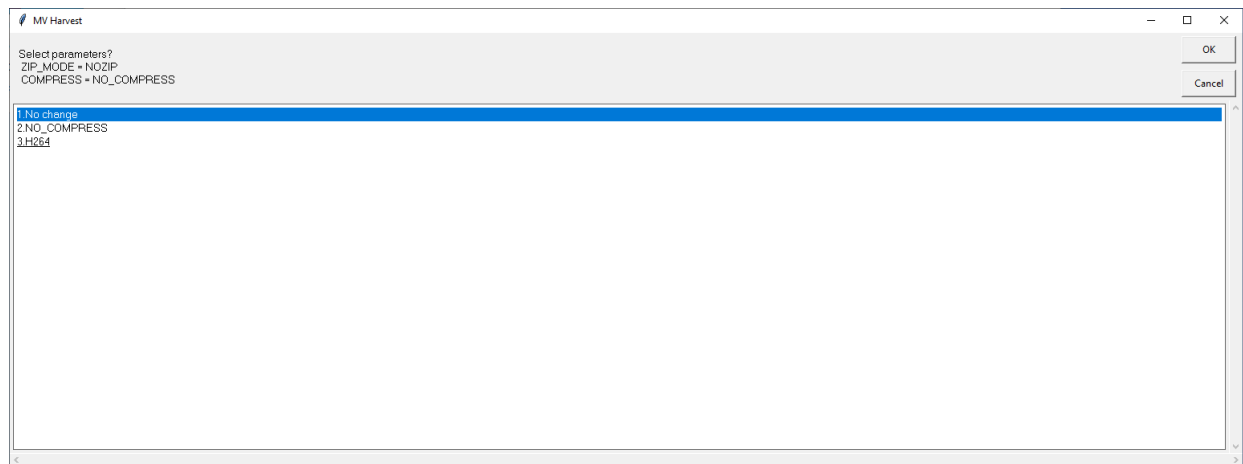


Select one or more of the takes.
Push "OK"



- Push "Yes" button if the selection is correct
- Push "No" button to return to the select takes window
- Push "Cancel" to stop the operation

11. Parameters configuration – “Parameters” push button:



There are 2 parameters:

NO_COMPRESS/H264 – run the decoding with /without compression

The results of the harvesting process could be check push the button “Results”:

You can see in the open excel file the following columns:

```
Session, Take, Status, Compression, Joined Frames, Process Time, NUCs, Description, Date,
Version
```

Session name, take ID, Number of the joined frames, Compression type, time of the process, number NUCs in the setup, Short description, date of the harvesting process was running and status of the process: Done or FAIL.

Attention: Before the next process running you need to close the result excel file.

AutoSave Off mv_harvest_result - Excel

File Home Insert Page Layout Formulas Data Review View Help Search

Clipboard Font Alignment Number Styles Cells Editing Ideas

Calibri 11 A⁺ A⁻ B I U General Conditional Formatting Format as Table Cell Styles Insert Delete Format AutoSum Fill Sort & Filter Find & Select Ideas

B19 X ✓ fx

	A	B	C	D	E	F	G	H	I	J
1	Session	Take	Status	Compression	Joined Frames	Process Time	NUCS	Description	Data	Version
2	Sharon_Take2	2019-11-19-17.16.48	Done	NO_COMPRESS	55	09:20.0	25	Shooting Day 11/2019	27/01/2020 12:28	Genesis_master_7.0.122
3										
4										
5										

mv_harvest_result