

RawImgMetaData Installation Instructions

Follow these steps to set up the environment and install the required dependencies before running the script.

1. Open the Project in PyCharm

This project is designed for use in a Python development environment. It is recommended to use **PyCharm** for ease of development and debugging. You can:

- Open the project folder directly in PyCharm.
- Or use PyCharm's version control integration to **clone the repository** from a remote source if hosted on GitHub or similar.

Once opened, ensure your project interpreter is correctly set by navigating to:

File > Settings > Project > Python Interpreter

2. Ensure Required Libraries Are Installed

The following libraries are required for this project. You can install them using the built-in PyCharm package manager or via pip:

- pandas (for reading and processing Excel data)
- openpyxl (for creating and modifying Excel files)
- os and json (built-in Python libraries; no installation needed)

To install via terminal:

pip install pandas openpyxl os json

Or install via PyCharm:

- Go to **File > Settings > Project > Python Interpreter**
- Click the + icon and search for each package

- Click **Install Package**

3. Verify config.json

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Ensure that a config.json file exists in your root project directory. This file should define the input/output file names and static metadata fields. The structure and content of this file will be explained in the usage instructions.