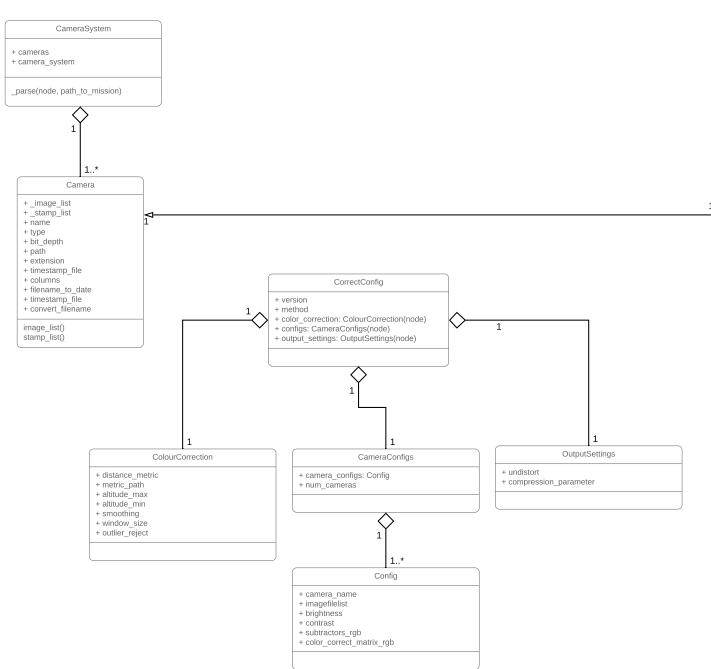
UML Class Diagram - Correct Images

Subhra Kanti Das | April 28, 2020



Corrector

- + camera: Camera
- + correct config: CorrectConfig
- + force
- + correct_image_params
- + _camera_image_file_list
- + correction method
- + distance_metric
- + distance_path
- + altitude_min
- + altitude max
- + smoothing
- + window_size
- + outlier_rejection
- + cameraconfigs
- + undistort
- + output format
- + output_dir_path
- + bayer_numpy_dir_path + distance_matrix_numpy_folder
- + attenuation_parameters_folder
- + output_images_folder
- + _imagelist
- + image_height
- + image_width
- + image_channels
- + filtered indices
- + image_correction_parameters
- + raw image mean
- + raw_image_std
- + attenuation parameters

load_generic_config_parameters()

create_output_directories() load_camera_specific_config_parameters()

get_imagelist()

get_image_properties()

generate_distance_matrix()

generate_bayer_numpy_filelist(image_pathlist)

generate_bayer_numpyfiles(bayer_numpy_filelist) generate correction parameters()

calculate_attenuation_gains(target_altitude)

process correction()

apply_corrections(image, distance, brightness, contrast)

debayer(image, pattern) distortion_correct(image)

gamma_correct(image) write_output_image(image, format) To customize this template:

objects.

• Click on any shape and type the information you would like to include.

Learn about this template

UML class diagrams map out the structure of a particular system by modeling its classes, attributes, operations, and relationships between

- Add and arrange class shapes as needed.
- · Update cardinality.
 - Click on a line and navigate to the properties bar to adjust the endpoints.
 - Click on a line and hover over the gear icon to add multiplicities.
 - Add additional lines by hovering over a shape and clicking the red dot.

UML Class Diagram Tutorials (Hold Shift + ₩ or Ctrl, then click)

Watch a UML class diagram tutorial



Read about UML class diagrams

Watch Lucidchart basic tutorials