

3.2 Camera Metadata#

3.2.1 Camera calibration

Element	Description
Date of calibration	Date that the calibration was performed.
Camera calibration file name	The exact file name for the camera calibration.
Camera specifics	Specific make and model of the camera and lens used.
Array dimensions in pixels	Width and height of digital array measured in pixels.
Array dimensions in mm	Width and height of digital array measured in millimeters.
Focal length and principal point	Exact focal length and principal point location and measured by the camera calibration.
Lens distortions (K1, K2, P1 and P2 parameters)	Radial and decentering distortion parameters as measured by the camera calibration.
Affine distortions	Affine distortion parameters as measured by the camera calibration (if measured).
Calibration Quality Values	Quality values such as overall RMS, maximum residual, and photo coverage (%) from the calibration process.
Calibration adjustment report	A report on the quality of the camera calibration including at a minimum the correlation between exterior and interior parameters

3.2.2 Calibration images

Entry	Description
Image file names	File names for calibration images.
Calibration target description	Include target dimensions, creator and description.
