|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATest.py | | Phase decoding and visualization test script | | Red |
| Binarypatturn.png | | Generated pattern image, not directly referenced | | Red |
| CamTest.py | | Checks available webcam devices using OpenCV | | Red |
| CaptureCode.py | | Main structured light capture (Gray/Phase) using Cannon camera | | Green |
| CaptureCodeOutline.py | | Commented outline version of CaptureCode.py for reference | | Red |
| Captured\_image.png | | Example captured image, not used by code | | Red |
| CaptureImage.py | | Handles webcam/DSLR capture and saving logic | | Green |
| CaptureUndersortedCodes.py | | Captures Gray Code images with undistortion mapping | | Green |
| ConvertRawImage.py | | Converts .cr2 RAW DSLR images to .tiff, triggers decoder if needed | | Green |
| CornerFinder.py | | Verifies Charuco detection in a calibration set | | Yellow |
| DebugIDS.py | | Diagnoses white reference image quality (e.g., clipped pixels) | | Yellow |
| DrawCrosshairs.py | | Shows static crosshairs on screen, for projector alignment | | Red |
| GrayCodesWindow.py | | Displays Gray Code patterns in fullscreen window | | Green |
| GrayImages.py | | Generates Gray and Binary Code patterns as numpy arrays | | Green |
| grayPatturn.py | | (Assumed grayPatturn.png) visual placeholder used in GrayCodesWindow | | Yellow |
| IDSCaptureCode.py | | IDS-based structured light capture (Gray or Phase) | | Green |
| ImageCaptureTest.py | | Opens webcam stream and shows live feed (redundant) | | Red |
| InstructionsImg.png | | Static image for user instruction (displayed before capture) | | Red |
| Interface.py | | Main IDS camera interface using ids\_peak API | | Green |
| OpenCVTestCam.py | | Webcam test (identical to ImageCaptureTest.py) | | Red |
| ProduceAllGrayImages.py | | Creates and saves grayPatturn.png and binaryPatturn.png | | Red |
| PylonCamTest.py | | Captures and saves a still using IDS interface | | Yellow |
| ShowHF.py | | Displays one or two static patterns from binary generator | | Red |
| Name | description | | G=need, Y=useful, R=useless | |

Yellow in left column means file exists in code bank on github, and in my laptop setup

Right column

Green = needed and should stay

Yellow = can be deleted but is also useful at times so its 50/50

Red = not needed currently and can be deleated