**Sample Parameter File**

**offline False # True to degug**

**Center 919.279 1147.787**

**# Raspberry pi input ports**

**pi isXinMotion 23**

**pi isYinMotion 24**

**pi trigPiCam 25**

**pi isPrimaryShot 25**

**# Raspberry pi output ports**

**pi trigPrimary 6**

**pi trigLight 20**

**pi trigDetector 16**

**# IP address**

**ip Kinesis <IP>**

**ip Pi <IP>**

**ip Zhong <IP>**

**# Motor**

**motor x 26001245 Device001**

**motor y 26001240 Device002**

**# Camera**

**camera sizeInPixel 1640 1232**

**camera pixelInMM 0.00134 0.00134 # mm/pixel**

**camera xInMM 6.0 20.0 # X scan range**

**camera yInMM 5.7 20.0 # Y scan range**

**camera overlap 0.1 # Fractional overlap**

**camera imageSaveDelayInSec 0.6 # Buffering time to save image**

**camera hflip 0**

**camera vflip 0**

**# Data collection**

**lightDurationInSec 0.05 # Laser duration time in s. 0 for dark**

**pvPulseWidthInSec 0.2 # Pulse width in s of a ready signal**

**syncDelayInSec 1.5 # Delay move to next crystal**