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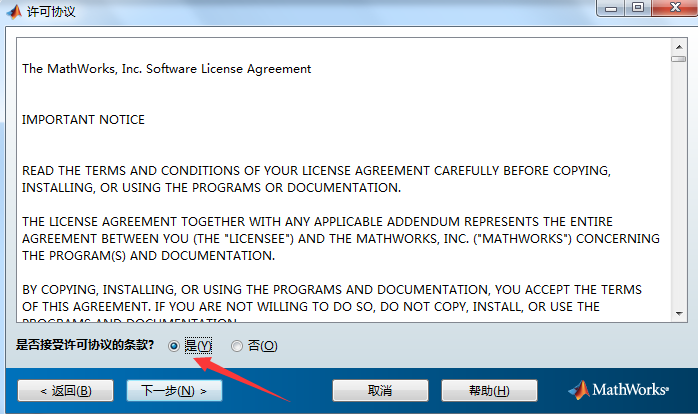
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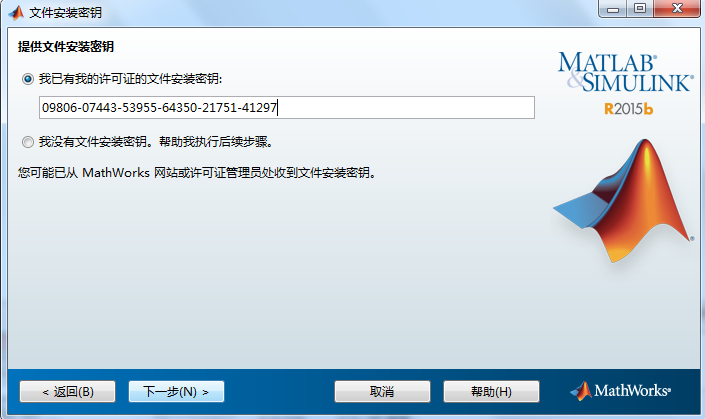
[安装向上camera 18](#_Toc522810995)

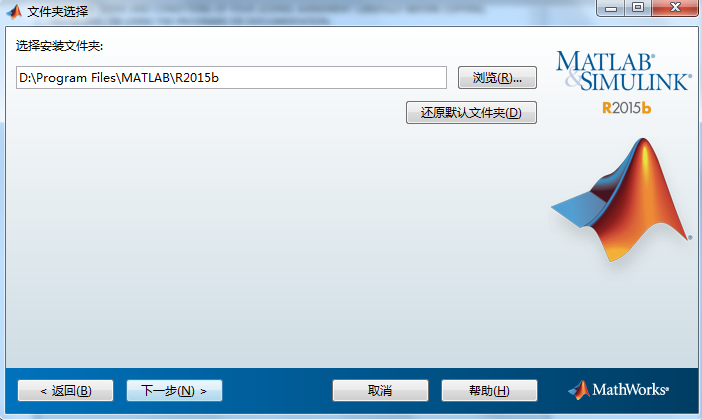
# matlab软件安装

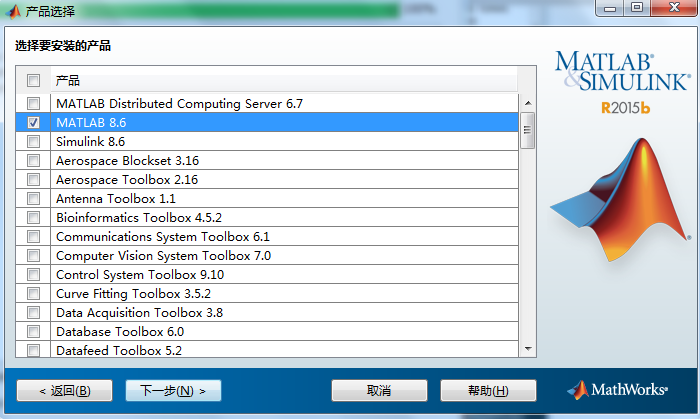




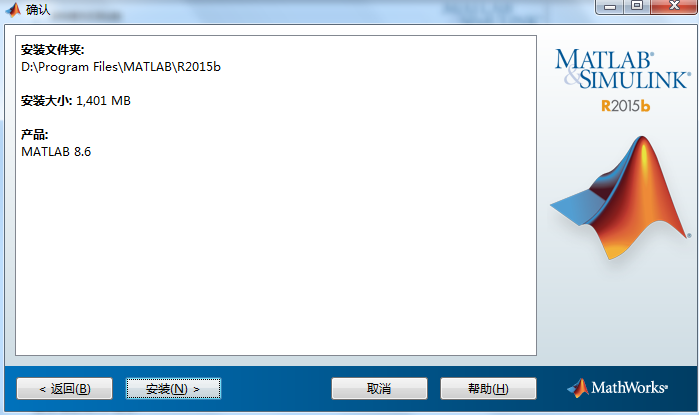


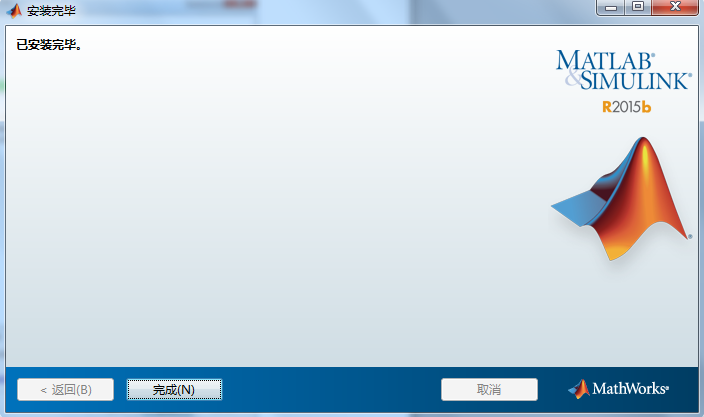






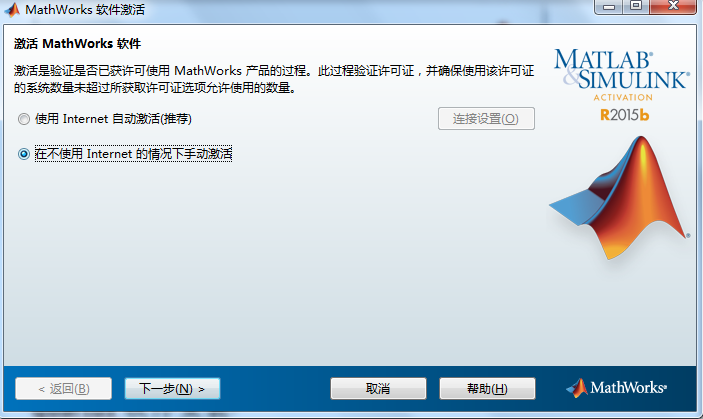






D:\Program Files\MATLAB\R2015b\bin\win64

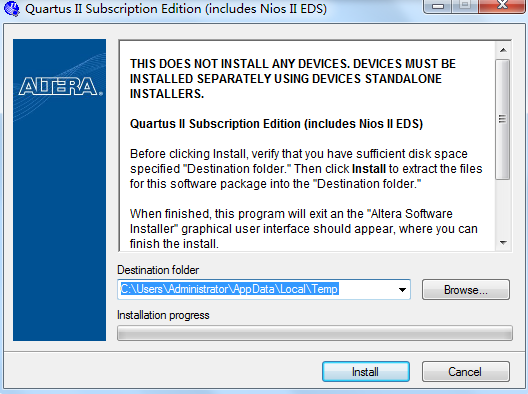


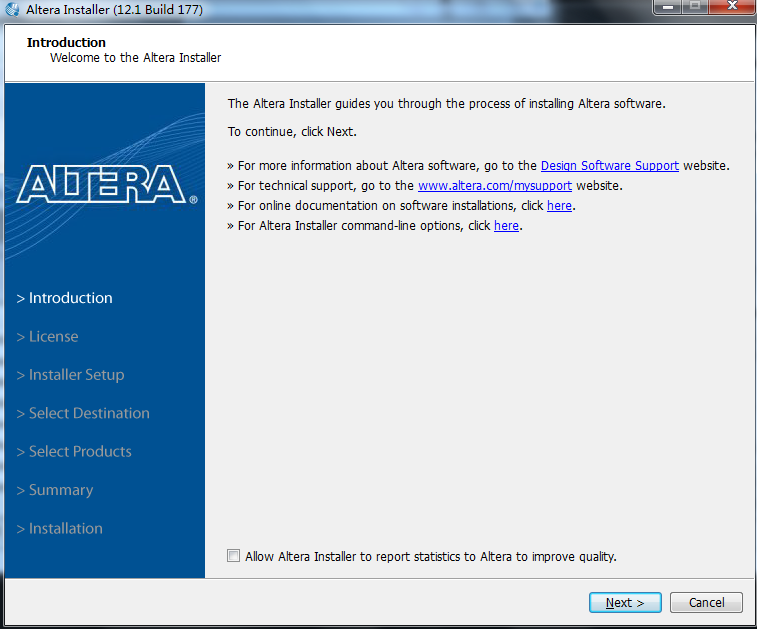


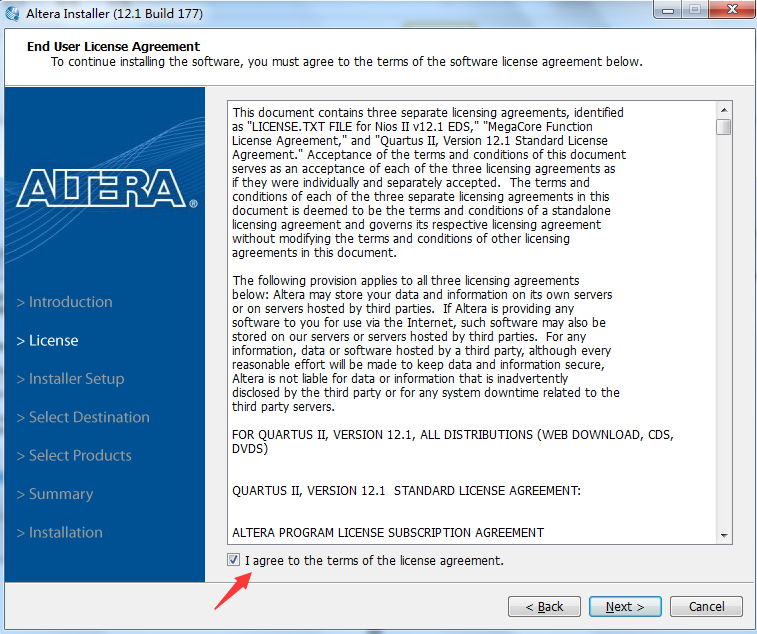
# quartus软件安装

要安装的软件名字

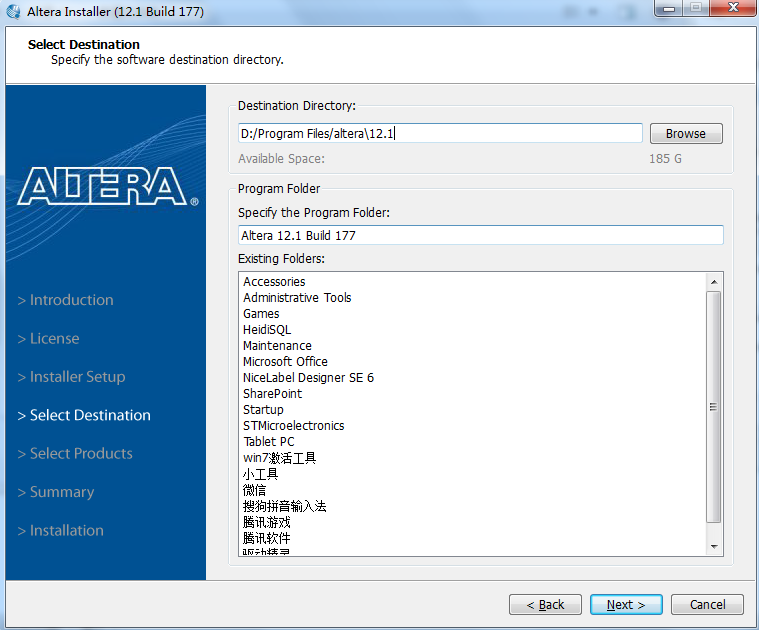
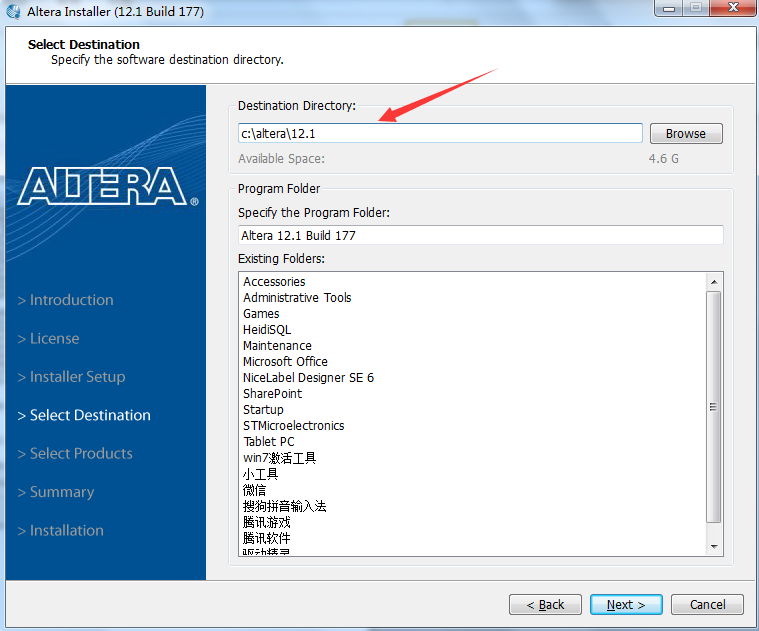


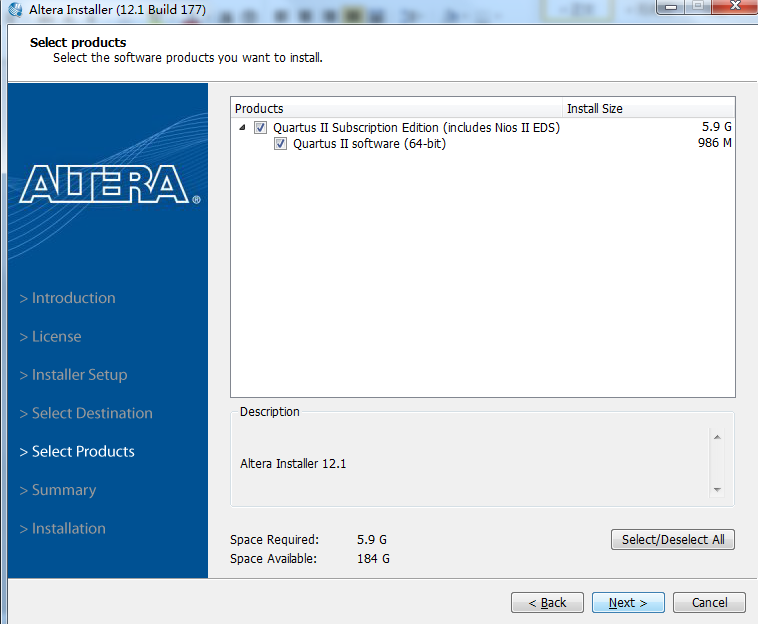


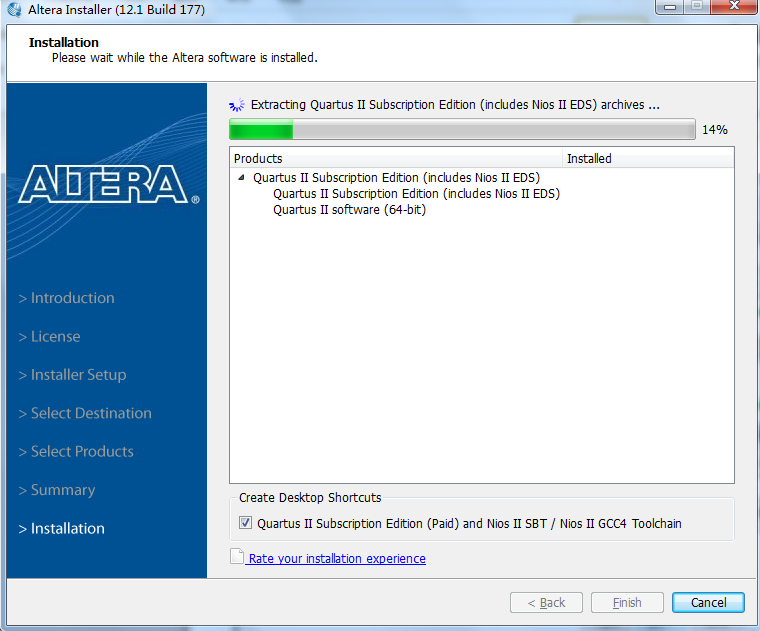


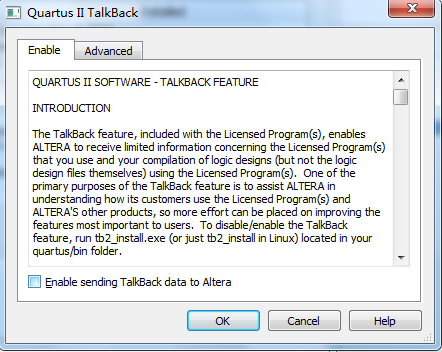


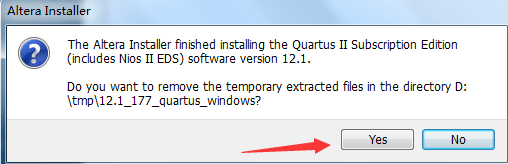
选择一个安装路径，不能含有中文路径名字

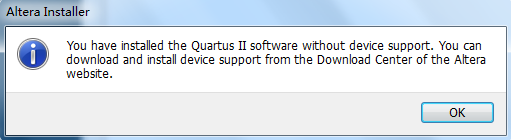


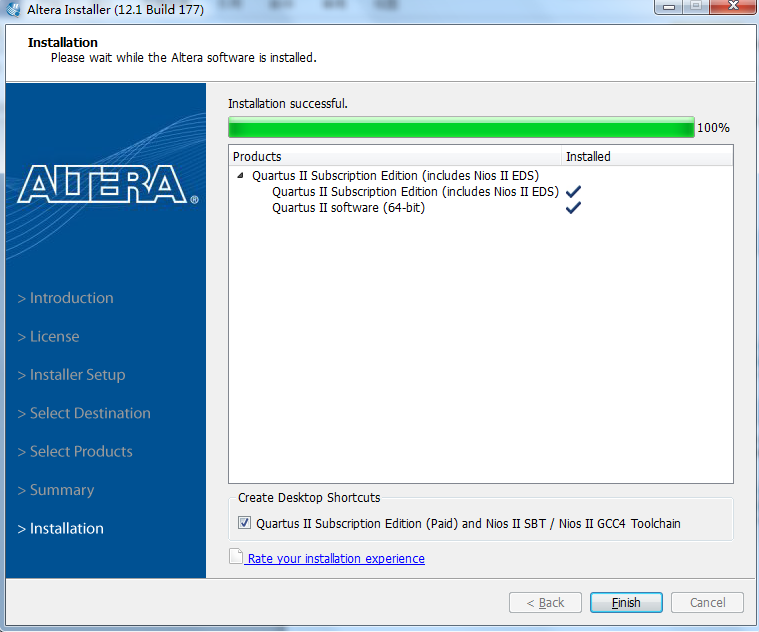


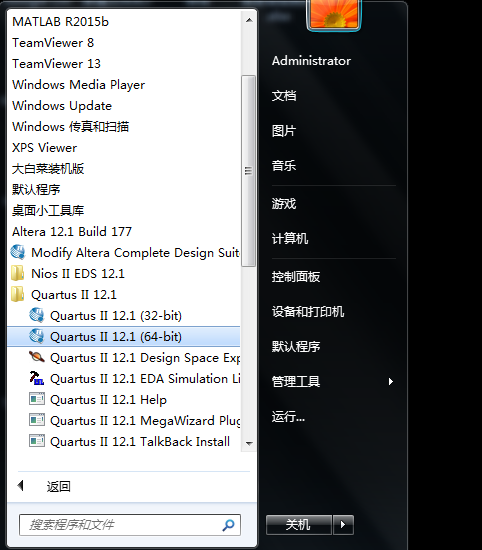


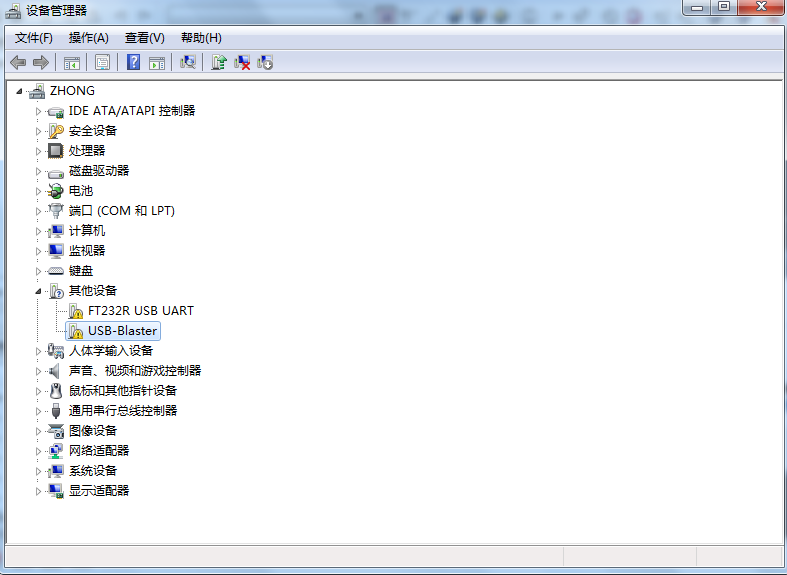


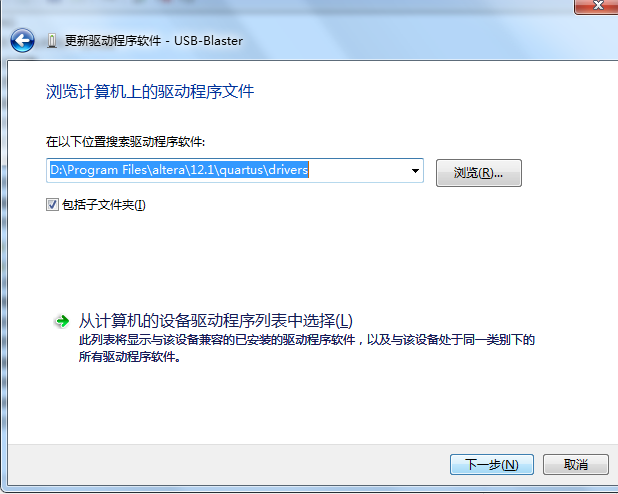


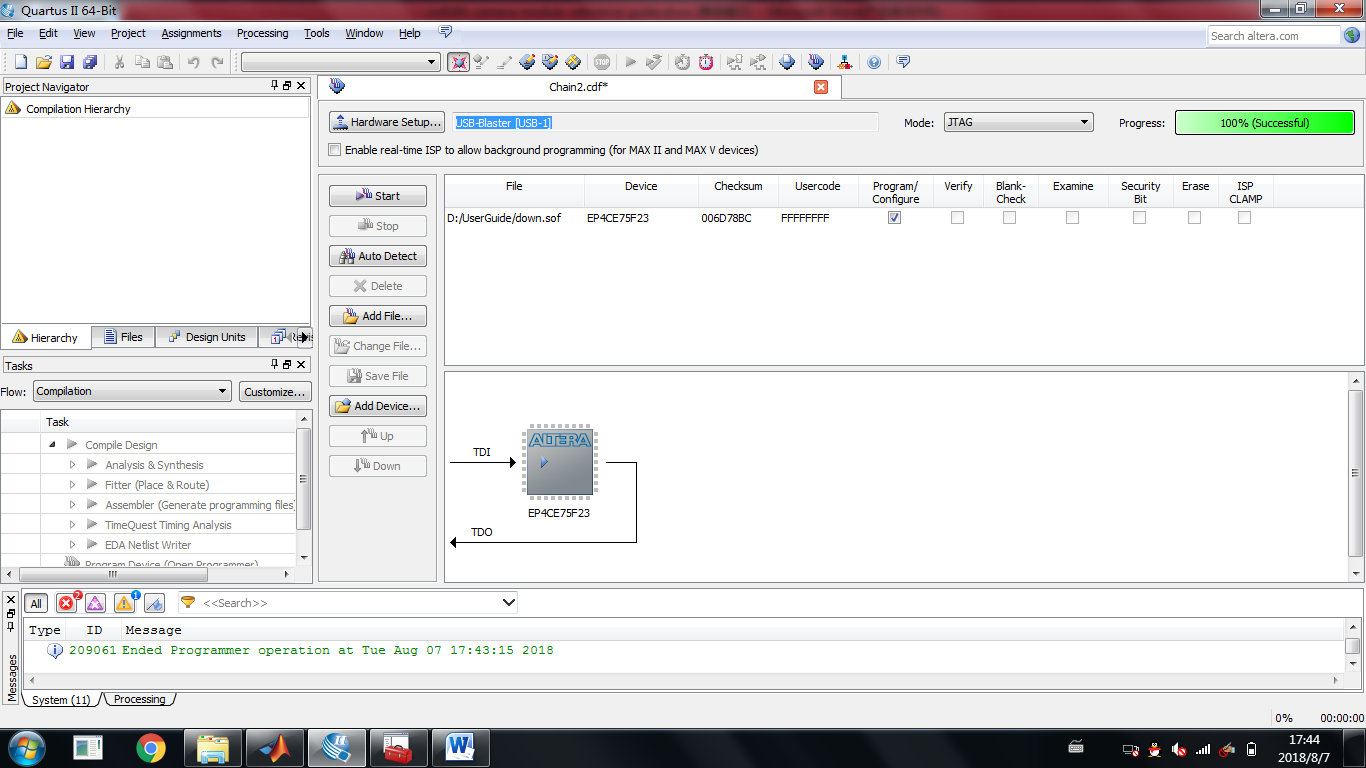


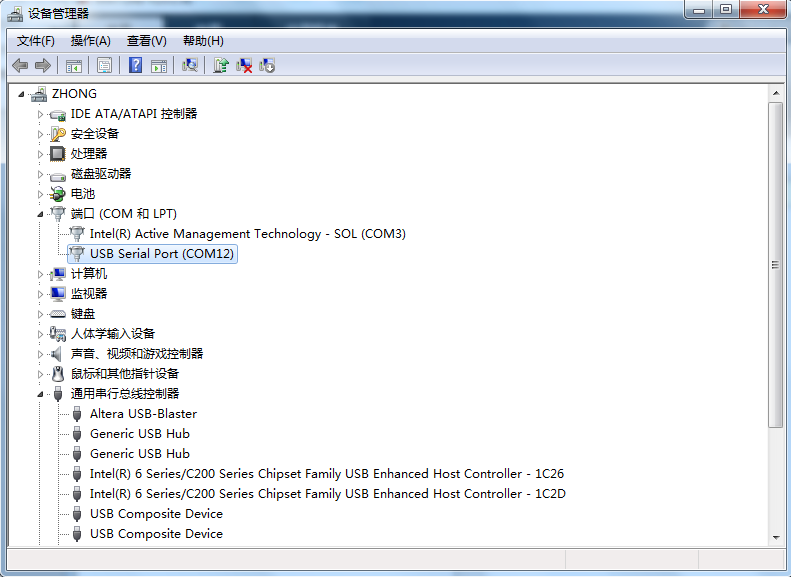






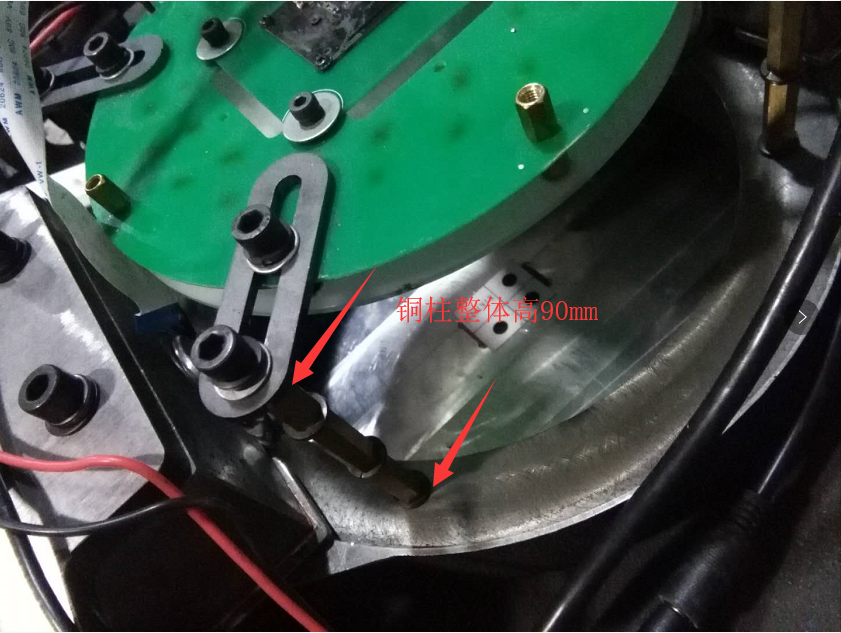


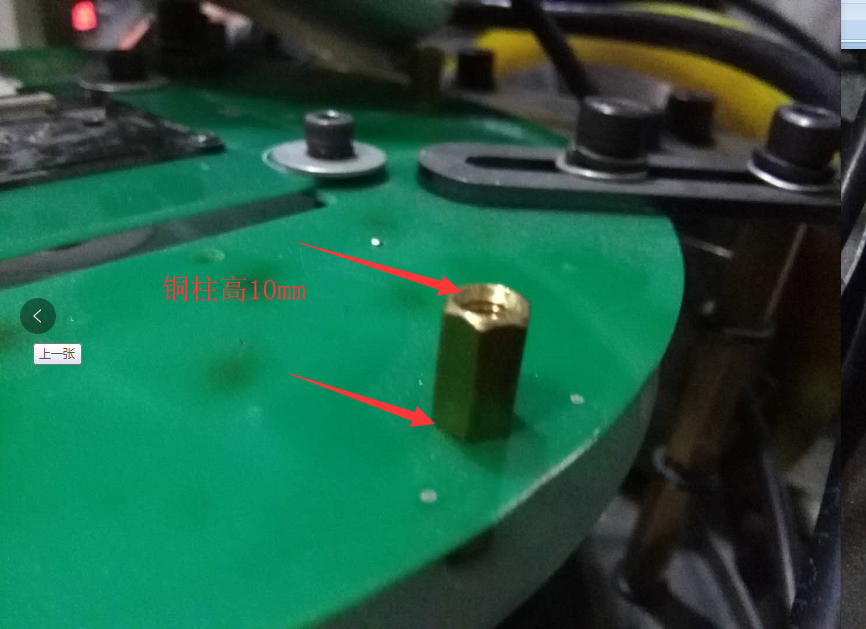




# 准备工作

确认安装高度：90mm+10mm

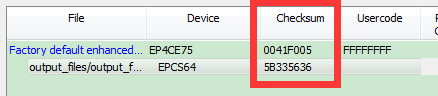




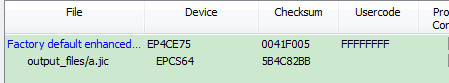


# FPGA下载文件

文件“FPGA\_file\_v1.1.jic”

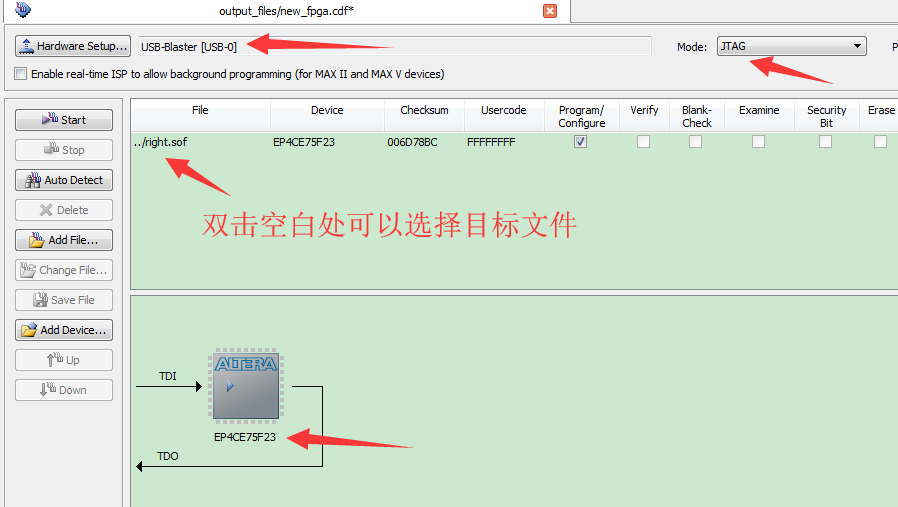


文件“FPGA\_file\_V1.2.jic”（安装角度翻转180°）



# 安装向下camera

1，下载 down.sof 程序



2，观察屏幕的图像

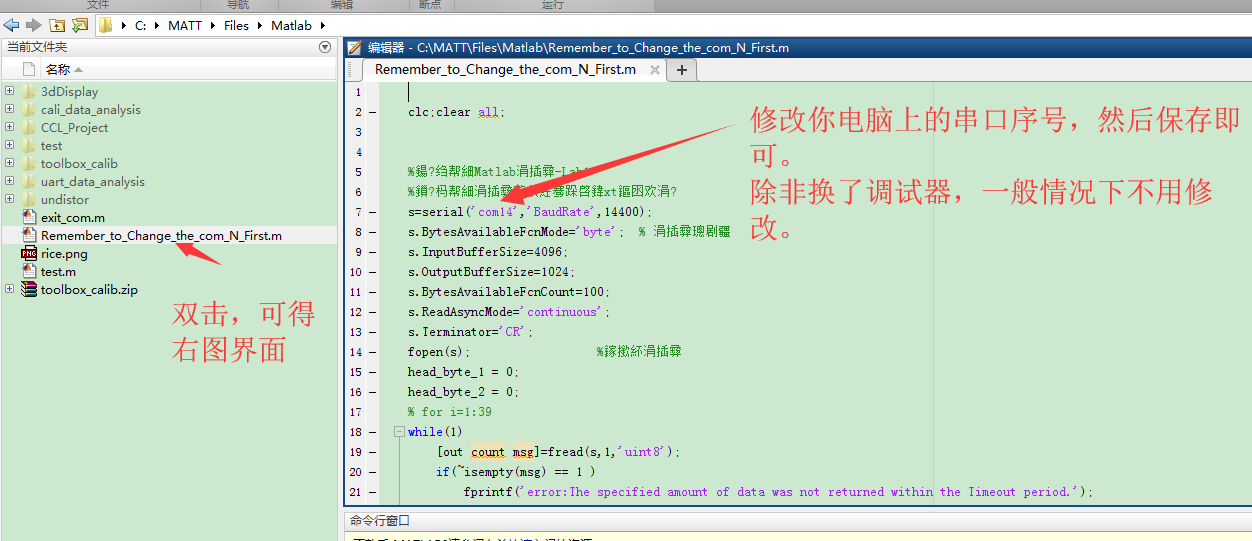
是否完整；

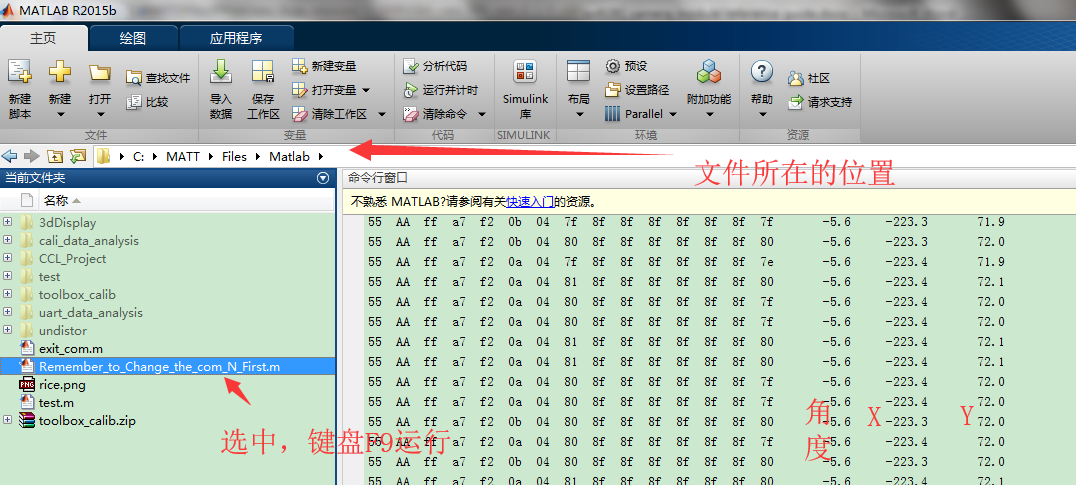
是否抖动

是否模糊

3，断电再上电，运行matlab程序，可以查看角度/X/Y的值







如果此时没有数据显示，可以下载文件夹中 uart.sof 程序，配合串口调试助手自发自收来验证串口是否连接正常。

# 安装向上camera

下载 up.sof 程序

与 “安装向下camera”相同