1, 在pc机上打开DirectUSB 软件, 在软件设置界面 Board 选择 a7lbub模式

Board: a	71bub	DRAM: Core:	- Edit	DownLoad
Download	Memory Opt	on MAC		MemoryTest
© Boo	t Loader (Amb	oot) 🗌 HAL		Upload
O Fire	amore Promo	ving Varify	- Choose	
C:\Use	ers\macbook\D	sktop\Z13v2_0.6.10_alpha_build=201	14 🗸 Choose	
🔘 Ker	nel			
I DSP	Images Direc	tory	- Choose	
status:	Idle	Time: 00:00 Level: ERROF	R 🔹 Clear	
				*

2, 在 firmware programming------点击浏览choose----选择自己需要的ELF文件路径

Board: a	71bub	DRAM:	- Core:	- Edit	DownLoad
Download	Memory Opt	ion MAC			<u>M</u> emoryTest
O Boo	t Loader (Am)	noot) 🗌 HAL		Character	<u>U</u> pload
Fir	mware Program	ming 🕅 Ver	ify	Choose	
C:\Use	ers\macbook\D	esktop\Z13v2_0.6.10_alp	ha_build-2014 -	Choose	
) Ker	nel			Choose	
DSP	Images Direc	tory			
			Ŧ	Choose	
Status:	Idle	Time: 00:00 L	evel: ERROR	• Clear	
				*	
				-	

3,将相机前盖拆开并将电池取出(建议不装电池升级),使用原装数据线将相机和pc端USB连接,使用镊子短接下图中的短接点开机,开机后短接点可松开



## 1然后点击connect连接, 2在等待 Status Idle变成 Status ok字样 3点击Downlond开始升级

onfig			Connect
oard: a71bub 🔻 DRAM: 🚽 Core:	3	- Edit	DownLoad
ownload Memory Option MAC			MemoryTes
🔘 Boot Loader (Amboot) 🗌 HAL			Upload
	-	Choose	
Firmware Programming Verify			
C:\Users\macbook\Desktop\new\YDXJv22_1.0.4-BT_build-20	•	Choose	
Kernel			
	-	Choose	
☑ DSP Images Directory			
	-	Choose	
ound 1 AMBA device!	•	• Clear	
		-	

## 4, 设备开始升级

oard: a71bub	DRAM:	- Cor	e:	- Edit		Lonnect
ownload Memory Opti	on MAC				_[	MemoryTest
🔘 Boot Loader (Amb	oot)	HAL				<u>U</u> pload
Rivernana Program		Vorify	v	Choose		
C:\Users\macbook\De	sktop\new\YDXJv22_1	1.0.4-BT_E	uild-20 👻	Choose	23	
🔘 Kernel			-	Choose		
✓ DSP Images Direc	tory		*			
			Ŧ	Choose		
tatus: <mark>Wait</mark>	Time: 00:05	Level:	ERROR	▼ Clear		
ound 1 AMBA device! nit DRAM ok. ound 1 AMBA device! nit DRAM ok.					*	
					10.00	

## 5, 设备升级完成, 相机自动关机

				Connect
Board: a71bub	T DRAM:	Core: 🚽 👻	Edit	DownLoad
lownload Memory Opt:	ion MAC			MemoryTest
🔘 Boot Loader (Amb	Doot) 🗌 HAL			Upload
		*	Choose	
) Firmware Program	ming 📃 Verif	у		
C:\Users\macbook\D	esktop\new\YDXJv22_1.0.4-	BT_build-20 👻	Choose	
🔘 Kernel				
		-	Choose	
📝 DSP Images Direc	tory			
			Choose	
Status: 🙆	Time: 01:11 Lev	el: ERROR 🔹	Clear	
nit DRAM ok. ound 1 AMBA device! nit DRAM ok. 0] Wait device re-ini 0] Found. :\\Vsers\macbook\Deskt ait firmware programm	it top\new\YDXJv22_1.0.4-BT_1 ning	build-201503181412:	^ .7_b674_i44 ⋿	
O] Done!!			-	