一、准备工作 (Part 1 Preparation)

软件: VUP、Nuitrack

硬件: Kinect V2 (用于动作捕捉)

Software: VUP, Nuitrack;

Hardware: Kinect V2 (for motion tracking)

备注: VUP 的 Kinect 动作捕捉功能 需要购买 Kinect V2 (Kinect 2.0)

Note: The Kinect motion tracking of VUP requires the purchase of a Kinect V2.

二、Nuitrack 的设置 (Part2 Settings of Nuitrack)

1、安装 Nuitrack SDK (Install Nuitrack SDK)

Nuitrack 安装包下载地址 (如下方超链接)

(Download address of Nuitrack installation package)

Download Nuitrack installation package (下载 Nuitrack 安装包)

>	RealSense				✓ ひ 搜索"Rea ♪
名称	^	修改日期	类型	大小	
🕚 nuiti	rack-windows-x64	2020/8/26 14:19	应用程序	156,579 KB	



🕚 Nuitrack Setup

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		Next >	Quit

Nuitrack Setup

Installation Folder



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🕚 Nuitrack Setup

Select Components

Please select the components you want to install.

] Nuitrack			3D Skeleton Tracking Middleware This component will occupy approximately 349.08 MiB on your hard disk drive.
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🕚 Nuitrack Setup

Start Tenu shortcuts

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2、激活 Nuitrack (Activate Nuitrack)

(1) 打开第一步设置的 Nuitrack 安装目录,然后依次打开文件夹 nuitrack -> nuitrack

-> activation_tool。随后,打开"Nuitrack应用程序"(绿色图标文件)

如下图所示

Open the Nuitrack installation directory set in the first step, and then open the folders "nuitrack -> nuitrack -> activation_tool " in turn. Then, open the "Nuitrack application" (green icon file)

As shown below

→ 本地磁盘 (F:) → RealSense →	nuitrack > nuitrack > activati	on_tool		> ひ 搜索"acti ♪
名称	修改日期	类型	大小	
platforms	2020/8/26 14:47	文件夹		
🔄 libbz2.dll	2020/8/11 3:34	应用程序扩展	321 KB	
🗟 libfreetype-6.dll	2020/8/11 3:34	应用程序扩展	3,354 KB	
libgcc_s_seh-1.dll	2020/8/11 3:34	应用程序扩展	548 KB	
libglib-2.0-0.dll	2020/8/11 3:34	应用程序扩展	4,490 KB	
🗟 libharfbuzz-0.dll	2020/8/11 3:34	应用程序扩展	4,621 KB	
🗟 libiconv-2.dll	2020/8/11 3:34	应用程序扩展	1,515 KB	
🗟 libintl-8.dll	2020/8/11 3:34	应用程序扩展	699 KB	
libpcre-1.dll	2020/8/11 3:34	应用程序扩展	858 KB	
🕙 libpcre16-0.dll	2020/8/11 3:34	应用程序扩展	788 KB	
🕙 libpng16-16.dll	2020/8/11 3:34	应用程序扩展	1,170 KB	
🚳 libstdc++-6.dll	2020/8/11 3:34	应用程序扩展	8,678 KB	
🗟 libwinpthread-1.dll	2020/8/11 3:34	应用程序扩展	292 KB	
🕚 Nuitrack	2020/8/11 3:34	应用程序	285 KB	
🗟 Qt5Core.dll 💦 🔪	2020/8/11 3:34	应用程序扩展	4,736 KB	
🗟 Qt5Gui.dll	2020/8/11 3:34	应用程序扩展	4,225 KB	
🗟 Qt5Widgets.dll	2020/8/11 3:34	应用程序扩展	5,738 KB	
Szlib1.dll	2020/8/11 3:34	应用程序扩展	113 KB	

Double click this application

🕐 Nuitrack –	2		×
Nuitrack Please select a device.			
Select Device	•	t	Test
Enter Activation Ney		Acti	vate
If you do not have Activation Key, you can purchase it at <u>nuitrack.com</u>			
Getting a device list Device list was updated			
此时,我们需要获取一个激活码			
we need to get the "Activation Key".			

(2) 获取免费的激活码 (Get a free activation key)

备注:免费的激活码期限只有3分钟,长期激活码需要在 Nuitrack 官网购买

进入 Nuitrack 官网: nuitrack.com

在官网首页点击按钮 "Free Trial", 开始获取免费的激活码

Remarks: The free activation code period is only 3 minutes, and the long-term

activation key needs to be purchased on the Nuitrack official website.

Enter Nuitrack official website: nuitrack.com

Click the button "Free Trial" on the homepage of the website to start getting the



free activation key.

填写你的邮箱及其他信息,稍后 Nuitrack 官方会将激活码发送到你填写的邮箱。

Fill in your email and other information, and Nuitrack offical will send the

activation key to the email you filled in, later.

Get Nuitrack Fre Just type in your contact We will send you a trial activation key and d email	e Trial s. ownload link to your
E-mail	
Name	
Company name	
I agree with Privacy Policy and Terms of Ser	vice.
Cat Nuitroak Free Trial	

Get Nuitrack Free Trial

Just type in your contacts. We will send you a trial activation key and download link to your email

Thanks you! We sent a trial license to your email.

下面是邮件内容

the content of the email is as follow

Thank you for your interest in Nuitrack! Below you'll find your trial activation key and license activation instructions.

Your trial activation key: license:1	此处是激活码
Activation instructions:	This is your trial activation key
1. Download Nuitrack from http://download.3divi.com/Nuitrack/platfc	rns/
2. Install Nuitrack for your platform (see the instructions: http:/	/download.3divi.com/Nuitrack/doc/Installation_page.html).
3. Connect compatible USB depth sensor(s).	
4. Launch the Nuitrack licensing tool:	
Windows	
Go to {install-folder}\nuitrack\activation_tool and run Nuitrack.ex	e
Ubuntu Linux	
Open a terminal and run the command: nuitrack	
Android	
Launch the Nuitrack app.	
5. Select a depth sensor from the drop-down list.	
6. Click the "Test" button and wait for the compatibility test to c	complete.
7. Enter your activation key and press "Activate" to activate the 1	icense.
8. To test Nuitrack, press the "Test" button.	
To access Nuitrack SDK and developer documentation, go to http://do	wnload.3divi.com/Nuitrack/
If you have any questions, please contact our Muitrack support team	: support.nuitrack@3divi.com
You can also find a lot of useful information or ask your question	in our community: https://community.nuitrack.com/
Best Regards,	
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Nuitrack Team https://nuitrack.com/ https://3divi.com

(3) 激活 Nuitrack (Activate Nuitrack)

连接电源线,为 Kinect 2.0 供电,将 USB 头插入电脑的 USB3.0 接口。

(注: 必须是 USB3.0 接口)

点击 SelectDevice,选择设备型号,然后,在下方输入 Nuitrack 的激活码,输入完毕,

点击右侧的按钮。

Connect the power cord to supply power to Kinect V2, then insert the USB head

into the USB 3.0 port of the computer.

(Note: must be the USB3.0 port)

Click "Select Device", then select the device model, and then enter the activation

key of Nuitrack below. After inputting, click the button on the right.



等待片刻,待下方窗口出现"激活成功"的字样,即可在 VUP 中使用。

备注:如果激活失败,可多尝试几次。

Wait for a while and wait for the word "Device is activated!" to appear in the lower window, then you can use it in VUP.

Note: If the activation fails, you can try a few more times.

由于,上面用激活码是官方提供的免费试用激活码,只有3分钟使用期限。

所以,在 VUP 中使用此功能是这样的:在开启 VUP 内 Kinect 动捕功能 3 分钟过后,动 捕会失效。重新开启动捕功能,又恢复并重新 3 分钟计时,依次往复。

如果,你想长时间使用 Kinect 动捕功能,可去 Nuitrack 官网:nuitrack.com ,自行购买 相关服务。

Because the activation key used above is an official free trial activation kay, it only has a 3-minute period of use.

Therefore, the use of Kinect in VUP is like this: After 3 minutes have passed since the Kinect motion tracking in VUP is enable, the motion tracking will be broken. Restart the button of Kinect in VUP, Kinect will continue to be used for 3 minutes, and then repeat.

If you want to use Kinect motion tracking for a long time, you can go to Nuitrack's official website: nuitrack.com and purchase related services.

三、VUP 的 Kinect 功能设置 (Part 3 Enable Kinect in VUP)

开启 Kinect 动捕功能,即可使用。

直播模块 -> 动作捕捉 -> Kinect 动作捕捉

备注: 切换角色后, 需要重新开启 Kinect 动捕功能按钮。

Enable the button on the right side of Kinect motion capture to start using the

Kinect function of VUP.

Broadcast Module -> Body Capture -> Kinect motion Capture

Note: After switching avatars, you need to turn on the button of Kinect motion

Capture in VUP to restart Kinect motion capture.

