# 使用 DaVinci Resolve 作为测试序列 配合 i1D3+LightSpace ZRO 测量监视器

#### 软件需求

操作系统: Window7 或更高版本(64 位) 软件: LightSpace ZRO(免费版) DaVinci Resolve

## 硬件需求

Window7 或更高版本的 PC (64 位) 安装达芬奇的 PC 或 Mac BMD 上屏卡 X-Rite i1D3 SDI 线 路由器

#### 准备工作

将装有 LightSpace 和 DaVinci Resolve 的电脑分别接入路由器 校正环境:暗室,减少环境光对测量数据的影响。 监视器开机预热 30 分钟以上(LCD 面板 LED 背光机型,如 AM210)让监视达到稳定状态

#### 操作流程

将 i1D3 连接至电脑, 打开 LightSpace

## 点击 Tools,选择当前连接的仪器型号

Discoverable Probes	<ul> <li>Virtual Probe</li> </ul>	
Colour Space	<ul> <li>basICColor DISCUS</li> </ul>	
LUT Preview	Cinebrate	
Image Batch Conversion	Colorimetry Research CR-100	
LUT Batch Conversion	Detacolor Spuder4	
ASC CDL Batch Conversion	Datacolor Spyder4	
	Datacolor SpyderX	
	Eizo Internal	
	Hubble / Sencore OTC1000	
	🔽 i1 Display Pro OEM	
	il Display 1 / 2 / LT	
	il Pro 1 / 2	
	il Pro 3	
	Jeti 1211 / 1201 / 1501 / 1511	
	Klein K10 / K10-A / K80	
	Minolta CS-200	
	Minolta CA-210 / 310	
	RENOITS CATE ( 670 / 600	

点击工具栏中的 Network Manager 按钮打开网络管理界面,并将网络控制设置成 Enable,记下此时的

#### 服务器 IP 地址

☞ ⋥ ᢒ ᢒ III � 2 @ ૠ ፼ 22 @ 0 ₩ <mark>↔</mark>	<mark>▶ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●</mark>	
	Network Manager	
	Network Controller Port: 20002 Server IP Addresses 127.0.0.1 192.168.1.51	Patch Indents Diagonal Area 16.0% 30% 30% 30% 30% Background Colour Extra Delay Time (seconds)
	0 available client/s	Close

打开达芬奇,新建一个时间线



将工作区调整至调色工作界面



点击菜单栏的"工作区"→"监视器校准"→"LightSpace"



并在弹出的对话框中输入刚才的 IP, 点击连接, 看到连接成功的提示即可



## 回到 LightSpace 界面

关闭 Network Manager 窗口

点击工具栏中的"Calibration Interface"



此时软件会提示您是否要连接仪器,点击确定即可

找到右侧的"Color Standard Target"点击下拉框,选择我们需要参考的标准,我们以 "REC 709"为例。选中"rec709"后点击"Profile"弹出 Quick profile 对话框



在 Profiles 下拉列表里选中需要测量测内容,用户可以根据需求选择测量的项目 这里选则 "Primary & Secondary" 然后点击右侧的 Option 弹出设置界面

Inbuilt		Start	10 contraction of the
Profiles		Options	
Primary & Secondary Select Time per Frame C DIP Mode 1 1 1 Total Frames: 141 Total Time: Variable	Closed Loop Mode 90 Export Colour List Export Patches	Colour Sub-Space Enable Target Space Rec709 Sub Space Rec709	Setups Options Network Manag
Active LUT			Ouid Day Sline

Extra Delay Time 建议设置成 1S。

Active Probe/Reference Probe 区域可以导入或者使用仪器自主生成相关特征数据 Luminance Units 这里的 Update 测量监视器当前的对比度 完成设置后点击 OK 回到 Calibration Interface 工作窗口。

Probe Serial Number: OE-17.B-02.104666.07				x
Integration Time (seconds/presets)         Active	ve Probe E-17.B-02 Import	/ Display D 2. 104666.0 Expoi	ata 17] i1D3 _▼ rt Delete	-Luminance Units Min: 0.1285 Max: 100.8264 CR: 784.934 Update
Max Exposure Time (M-Seconds)         R	x 0.6361 0.3117 0.1536 0.3103	y           0.3332           0.5875           0.0630           0.3259	Update Update Update	Patch Scale min 0 max 255 Reset
Sync Mode C Freq. C Period C BURST C AIO , , , 0.00 0.00 1.00 Extra Delay Time (seconds)	87.03 rence Pro ct the ma lay as an 03245] C	obe / Displa aster refer offset for S-200	Measure All ay Presets ence probe / the active probe	x 0.0000 y 0.0000 Reset
Drift Compensation Colour	ndary Ex	Sequence - Time per ( ecution —	colour (Seconds)	Enable Visible Feedback      Probe Calibration      Stabilisation (Seconds)
Reset  Change Probe	nable		<u> </u>	Cancel OK

点击 Start

Profiles			
Primary & Seconda	arv	•	Options
Select Time per F	rame	Closed Loop Mode	Colour Sub-Space
1,			Rec709
1		90	Sub Space
Total Frames:	141	Export Colour List	Rec709
Total Time:	Variable	Export Patches	NK-

在弹出的对话框中输入本次测量采样的名字然后点击 OK 即可开始测量



#### 完成后点击确定



在此界面的左侧会有相关的测量结果

Calibration Interface



Gamma



**RGB** Balance



DeltaE



相关测量结果解读请参考以下网址内容。 https://www.lightillusion.com/profiling\_manual.html

# 完成后结果会自动保存,通过 Manage Colour Space 调用

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File View	Tools Help			
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	Manage Colour Spaces Name AM210-11D3	Created 2020-04-22	Type Quick Profile	Rename Delete Add Aug data Delete Aug data
	Manage Colour Spaces Name AM210+1D3	Created 2020-04-22	Type Quick Profile	Rename Delete Add Aug data Delete Aug data Import
	Manage Colour Spaces Name AM210+1D3	Created 2020-04-22	Type Quick Profile	X Rename Delete Add Aug data Delete Aug data Import Export
	Manage Colour Spaces Name AM210+1D3	Created 2020-04-22	Type Quick Profile	X Rename Delete Add Aug data Delete Aug data Import Export Generate BPD
	Manage Colour Spaces Name AM210-11D3	Created 2020-04-22	Type Quick Profile	X Rename Delete Add Aug data Delete Aug data Import Export Generate BPD Display
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