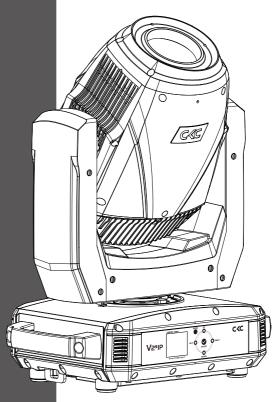


## V2<sub>s</sub>IP



www.ckclighting.cn



在进行任何安装、维修及清洁灯具前,请确认已将电源切断!使用本灯具前,请阅读本说明书。

本公司保留更改产品设计与规格的权利,恕不另行通知。

#### 广州鹏林照明灯具有限公司 CKC LIGHTING CO.,LTD

广州市番禺区大石镇官坑工业园 A 栋

电话: (020)3920 4506 传真: (020)3920 4631

官网: www.ckclighting.cn



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#### ★声明★

- ■本说明书包含如何安全使用以及安装的重要信息,请认真阅读后按要求进行操作和安装,并请将此说明书妥善保管;
- ■设备在出厂时,性能完好,包装完整。操作者应严格遵守说明书所陈述的警告 事项和操作说明,任何因误用或忽视说明书而导致的故障问题或损坏,不在本 公司负责的范围及保修之内;
- ■本说明内相关资料仅供参考,所有灯具产品均以实物为准,如有变动,恕不另行通知,我司将保留最终解释权。

#### 一、安全警告信息



#### 注意!

请在对灯具安装、通电、操作或维修之前,请认真阅读本部分的安全要求信息。



- 本产品属于专业用途,不适用于其它;
- 收到灯具后,请检查包装是否完整,并拆包检查设备是否有因运输而导致的损坏。如出现运输而导致的损坏,请不要使用此灯具,并尽快与当地技术人员或厂家联系;
- 需再次运输时,请使用原包材;
- 机器外壳如有明显损坏应及时更换;
- 悬挂灯具时,必须验证悬挂设备要能承受灯具的 6 倍以上重量。安装完毕后要验证灯盖及安装扣锁牢固并无损伤,同时使用安全保险绳作为灯具的辅助安全,固定在桁架上;
- 此灯具内的光源应由制造商或其服务代理商或有类似资格的人来更换;
- 如果您还有其它关于如何安全操作设备的问题,请联系我司技术人员或 拨打服务热线;
- 本产品防护等级为 IP65, 室内户外皆可使用;
- 避免外部强光直接照射镜头,导致透镜聚光烧坏内部元器件。



- 灯具应保持清洁,避免长时间在过热或多尘环境下使用,防止灯具接触 到化学液体;
- 在使用产品时应注意避免火、热、电冲击、紫外线辐射引起的严重或致命损伤。在通电或安装使用前先要阅读说明书。遵循操作安全防范方法并注意说明书及设备上的警示标语;
- 必须是专业人员方可进行灯具的安装、操作和维修,并严格遵守操作说明书所陈述规程操作。



- 眼睛不能直视发光体;
- 请勿将该设备连接任何调光器;
- 灯具上的保护外壳、透镜和显示屏,如果产生可见的损坏,即损坏到失效的程度,如产生裂缝和深痕时应更换;
- 请不要在出光口处放置任何过虑器或其它物品,不要更换非原厂零部件;
- 灯具的最小安全照射距离 1M。



- 在安装前,请确认所使用的电源电压和灯具所标识的电压相符。应将每 一台灯具正确接地,并按照相关的标准进行电气安装:
- 维修、清洁设备前请先断开电源;
- 灯具运行时禁止触摸电线,以防电击;
- 如果此灯具的外部软缆或软线发生损坏了,该线要由制造商、其代理商或类似有资格的人更换,以避免发生危险;
- 避免易燃液体、水或金属等导电体进入灯具内部,以免电击或起火,如有异物进入灯具,请立即切断电源;
- 多台灯具串联操控时,信号线可多条联接,电源必须单独联接。



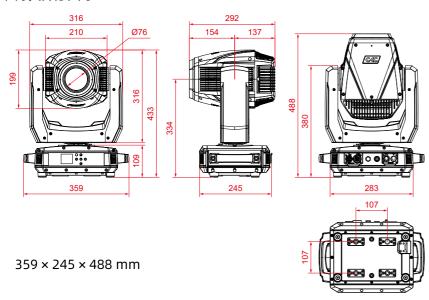
- 灯具在 -20℃~ 45℃正常工作,更换设备里的任何元器件、配件时,确保电源已断开,以防触电造成伤害;
- 灯具运行时表面最高温度可达 55℃,请勿徒手触摸.



- 灯具必须安装在足够通风的地方,至少距离邻近表面 50CM,确保没有任何通风孔被堵塞;
- 请勿将灯具直接安装在可燃物体上;
- 灯具所有外表面离可燃物最小距离 50CM。

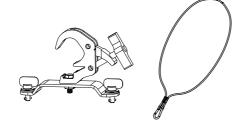
#### 二、产品简介

#### 2.1、灯具外形尺寸



#### 2.2、灯具包装附件

名称	数量	单位
快速上锁把手组件	2	PCS
钢丝安全绳	1	PCS



#### 三、设备主要技术参数

产品执行标准: GB7000.1-2015, GB7000.217-2008, Q/YF 1-2017

#### ● 电参数

额定输入电压: AC 100V-240V~ 50Hz/60Hz

整灯额定功率: 325W 功率因素: 0.994F

输入电流: 1.55A 220V

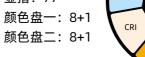
#### ● 灯珠寿命

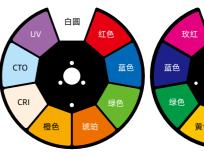
≥ 20000 小时

#### ● 颜色系统

色温: 20000K

显指: 77



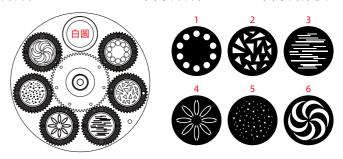




#### ● 图案系统

旋转图案: 6+1

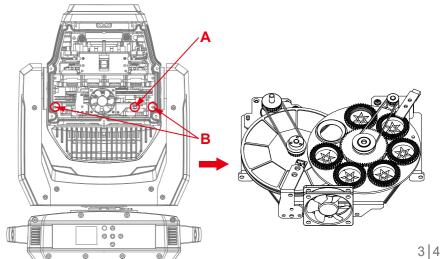
图案片外径: 23mm±0.2mm 图案片内径: 19mm 图案片厚度: 0.5mm



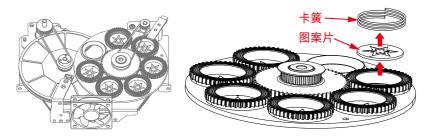
#### 图案片更换

#### 1、旋转图案盘

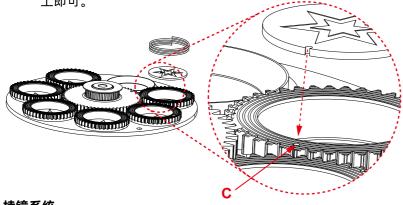
a. 拔出 A 处电源与信号转接线, 拆卸 B 处两颗螺丝, 抽出图案组件;



#### b. 用镊子或其他细小可夹持物把图案座卡簧取走, 拿起图案片;

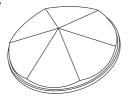


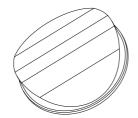
c. 装配图案片时,图案片黑色喷涂面向上、缺口位置对准从动轮组件 **C** 处定位点(凹陷处);安装完毕后,将图案盘组件装回灯具上即可。



#### ● 棱镜系统

6 棱镜 + 5 排镜





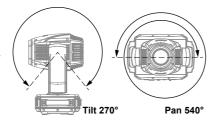
#### ● X轴/Y轴

#### X 轴扫描:

540°或 630° 8bit/16bit 精度扫描

#### Y 轴扫描:

270° 8bit/16bit 精度扫描



#### ● 光学系统

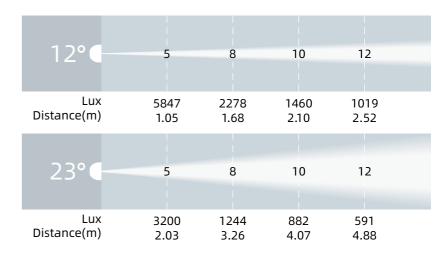
出光角度: 12~23° 光源: 200W CW LED 整灯输出光通量: 8000 Lm

#### ● 控制和编程

控制通道: 17CH/20CH/22CH

协议:标准 DMX512 协议, RDM 协议数据连接:三芯 XLR 输入/输出

#### ● 照度图



#### ● 其它效果功能

快速电子频闪: 1~25Hz LED 刷新频率: 1200Hz-25KHz

雾化:轻雾化+重雾化

#### ● 其它特性功能

灯体重量: 16.5 KG

纸箱包装: 63.5 × 45.5 × 36.5 cm 毛重: 21 KG

#### 四、包装运输

#### 4.1、拆卸包装



**注意:** 当收到灯具后,请拆包检查是否有因运输而导致的损坏,如出现运输而导致的损坏,请不要使用此灯具,并尽快与当地技术人员或厂家联系。

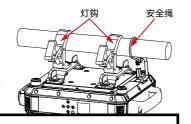
#### 4.2、设备包装

- 1、灯具包装前先断开电源使灯具完全冷却;
- 2、航空箱只能叠放两层,禁止倒放。

#### 五、安装要求说明

#### 5.1、灯钩安装

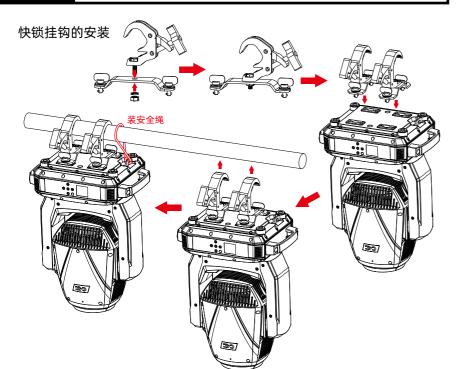
灯具可安装在舞台上或任意方向的桁架上, 灯钩能快捷简易地锁紧在桁架上。

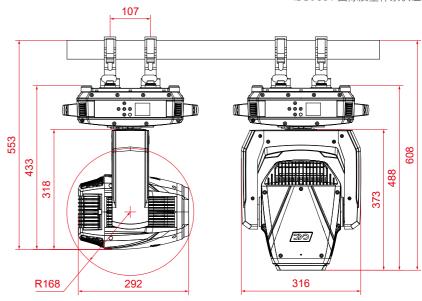




#### 警告!

灯具必须使用 2 个灯钩固定设备,并以 1/4 旋转扣紧,另必须加 1 条安全保险绳连接在底座孔上,注意不能连接在搬运手柄上。

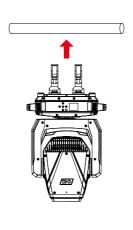


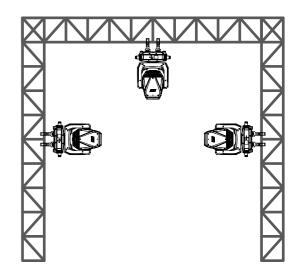


#### 5.2、设备安装

- 1、安装前必须验证灯钩及保险绳没有损坏,并验证安装物体能承受灯具及电缆附属等设备的总重量 6 倍;
- 2、灯钩安装在灯体底座上,将灯钩水平插入底座安装孔,顺时针旋转 1/4 圈锁紧,同样方法安装第二个灯钩(灯钩形状以实物为准)。

#### 5.3、吊挂安装示意图





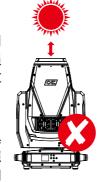


#### 注意:外部光束源可能损坏内部灯具

来自阳光直射、照明灯具和激光的外部光束直接聚焦到 外壳或穿透透镜照射到灯具内部,可能会造成零件损 坏。这是所有灯具的常见问题,并不单独发生在 CKC 的产品上。虽然没有方法可以完全防止此问题的发生, 但如果遵循以下准则,可以预防潜在的损害。

灯具在拆包、安装、使用和停止工作时,请勿将灯具透镜开口暴露在阳光直射、其它灯具或激光的光束照射下,也不要将本设备的光束直接聚焦到另一个照明

灯具上。



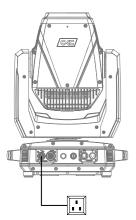
#### 六、电源、信号连接

#### 6.1、电源、信号座

- 1. 电源插座公
- 2. 电源插座母
- 3. 诱气阀
- 4. 保险丝座
- 5. 卡侬座 3 针母
- 6. 卡侬座 3 针公

# 1 2 3 4 5 6

#### 6.2、电源连接



#### 连接方法:

L(火线)-棕色线

E(地线)-黄/绿双色线

N (零线) - 蓝色线

连接电源时请注意电源电压和频率须与灯具上所标注的电压和频率相符。当多台灯具同时使用时,建议每台灯具的电源分别连接,这样可对每台灯具单独进行电源开/关控制。



**注意:** 连接电源时必须将地线 (黄/绿双色线) 安全接地,并符合电气安装所有相关标准。

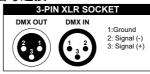


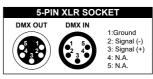
本产品使用 Powercon In 连接电源线, 一条 2 平方的电源线最多可带 7 台 (240V) 产品。

#### 警告!

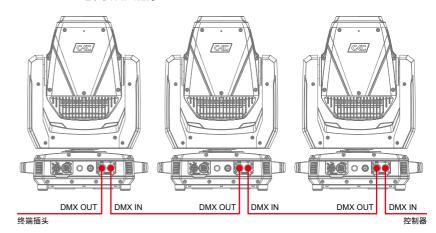
- 单条电源线切勿连接过多灯具,或者超负荷工作;
- 请勿使用绝缘层已经损伤的电源线,同时不要将电源线搭 在其它导线上;
- 当灯具不使用或者清洁时,请将电源线拔掉;
- 不要大力拔插或者直接拖拽电源线。

#### 6.3、信号连接

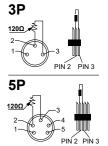




灯具设有标准的 DMX 输入和输出的 5 芯 XLR 插,请使用 DMX512 屏蔽 双绞信号线。信号线一般连接距离为 150 米,长距离信号传输时,必须加入 DMX512 信号放大器。

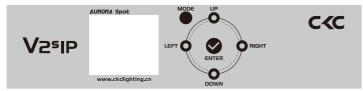


使用一条屏蔽双绞信号线从控制器的 DMX 输出口连接到第一台设备的 DMX 输入口,并从第一台设备的 DMX 输出口连接到第二台设备的 DMX 输入口,依此类推,直到将所有的灯具连接完毕,然后在每一连路的最后一个连接灯具输出 3 芯插孔上安装一个终端插头。(在 3 芯带针卡侬插头的 2、3 插针之间焊接一个 4/1W、120Ω 的电阻)。



#### 七、控制面板

#### 7.1、面板介绍



- 采用 1.8" LCD 显示屏,操作面板带可充电式电池,无需上电就可以进 入菜单设地址码和进行其它设置;
- 按 MODE (功能) 键查看或修改灯具功能设置, 按 UP (上) DOWN (下) LEFT (左) RIGHT (右) 键选择功能菜单;
- 按 ENTER (确认) 键确认您选择好的功能菜单,将进入菜单中相对应 的子菜单,每一项菜单均代表着灯具的特定功能(具体见下表所示);
- 按 ENTER (确认) 键保存您所作的修改或进入子菜单, 按 UP 或 DOWN 键可对数值进行修改(增减数值);
- 按 MODE (菜单)键回到上一级菜单或退出。

#### 7.2、功能菜单操作

注:灰色色块为默认设置值

				一
开机 显示	Software Up Please Wait V2s IP Motor Reset Please Wait	•		
	Set Address	A001~AXXX		接收地址设置
DMX	DMX Channel Mode	Basic 17 Standard 20 Extend 22	基本模式 标准模式 扩展模式	
Settings	No DMX Status	Hold Last Blackout Manual Internal Programs	当没有 DMX 时的状态	
	Prim/Sec Mode	Primary Secondary		主机开关选择 从机开关选择
	Status Settings	Pan Degree Pan Invert Tilt Invert P./T. Feedback P./T. Speed Hibernation	630/540 ON/OFF ON/OFF ON/OFF Speed 1~ 2 OFF,01M~99M,15M	水平角度选择 水平扫描反相 垂直扫描反相 扫描测位盘是否起作用 扫描扫描模式选择 灯具休眠时间设置

	Fan	Head	Auto High Low	机头风扇自动调速 机头风扇固定高速运行 机头风扇固定低速运行			
	Settings	Base Fan	Auto High Low	底座风扇自动调速 底座风扇固定高速运行 底座风扇固定低速运行			
	Zoom Speed	Standard Fast					
	Dim Modes	Standard Stage TV Architectural Theatre Stage2 Dim Speed(0.1s-10s)	标准模式 舞台模式 电视模式 建筑模式 剧院模式 舞台 2 模式 0.1S~10S 调光延时				
Perso- nality	LED Refresh Rate	900~1500Hz,2500Hz, 00Hz,10KHz,15KHz,20	LED 刷新率				
	Dim Curve	Square Linear Inverse Square S-Curve	调光曲线选择				
	Reset Motors	Reset All Motors Pan/Tilt Reset Color Reset Gobo Reset Focus/Zoom Reset Shutter Reset Other motors Reset	YES / NO YES / NO YES / NO YES / NO YES / NO YES / NO YES / NO	全部电机复位 X/Y 电机复位 颜色盘 /CMY 电机复位 图案盘电机复位 调焦放大电机复位 调光复位 其它电机复位			
	Display	Intensity Display Invert Screen Saver Delay Key Lock	1-10 YES/NO OFF-10M 05M OFF/ON/ON1	显示亮度 显示反转 显示关闭延时时间 显示菜单按键锁功能			
	Service	Passcode	Effect Adjust (Calibration) 050 PAN 000-255 Tilt 000-255 Color1 000-255 Color2 000-255	通道数据校准(密码 50) 通道数据校准			
		Update Software	YES / NO	软件更新 恢复出口设置 (			
		Factory Restore (Passcode11)	YES / NO	恢复出厂设置(密码 11)			

		LED Hour	Current Max	Passcode 50		
	Total LED Time	LED House		xxxxxx Hours	LED 运行时间 复位 LED 运行时间	
		LED On T	ime	xxxxxx Hours	LED 总时间	
		P-On Time-Reset		Passcode 50	复位灯具运行时间	
	Fixture Life Time	P-On Tim	ie-R	xxxxxx Hours	灯具运行时间	
	Program 7	Power On Time		xxxxxx Hours		
		Fade		000-255		
		Speed		000-255		
	Program 6	Fade		000-255		
		Speed		000-255		
	Program 5	Fade		000-255		
		Speed		000-255		
Program	Program 4	Fade		000-255	<b>─</b> 内置程序	
Internal		Speed		000-255		
	Program 3	Fade		000-255		
		Speed		000-255		
	Program 2	Fade		000-255		
		Fade Speed		000-255 000-255		
Manual Control	Program 1	Speed		000-255		
		000-255		000 355		
	Tilt Fine	000-255			_	
	Tilt	000-255			──手动控制 ───	
	Pan Fine	000-255				
	Pan	000-255		_		

	Reset Base Temp	YES/NO Passcode 050	
Fixture Humidity	Head Base	xxx% xxx%	头部湿度 底座湿度
Fan Info. (RPM)	LED Fan Base Fan	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LED 风机转速 底座转速
	Pan		
DMV Values	Pan Fine		日二夕人深兴体
DMX Values			────□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
	Frost		
Frror Logs	XXXXX XXXXX	List Errors one by one	报错信息显示 (出货前要清除)
Error Logs	Reset Error Log	YES / NO Passcode (50)	清除报错信息(密码50)
	1U: X.X.X		
Software Version	2U: X.X.X		软件版本
VEISIOII	3U: X.X.X		

#### 八、DMX 控制通道表:

16	19	22	Function		Values	功能
1	1	1	Pan	0~255	Pan Movement (540/630)	水平
	2	2	Pan fine	0~255	Pan Fine	水平微调
2	3	3	Tilt	0~255	Tilt Movement (270)	垂直
	4	4	Tilt fine	0~255	Tilt Fine	垂直微调
				0~9	Open	白光
				10~16	Open / Red	白光 / 红色
				17~23	Red	红色
				24~30	Red / Medium Blue	红色 / 中蓝色
				31~37	Medium Blue	中蓝色
				38~44	Medium Blue / Green	中蓝色 / 绿色
				45~51	Green	绿色
				52~58	Green / Amber	绿色 / 琥珀色
				59~65	Amber	琥珀色
3	5	5	Color	66~72	Amber / Orange	琥珀色 / 橙色
٦	3	ן כ	Wheel 1	73~79	Orange	橙色
				80~86	Orange / High CRI Filter	橙色 /CRI

				87~93	High CRI Filter	CRI
					High CRI Filter / CTB	CRI/CTB
				101~107	СТВ	СТВ
				108~114	CTB / UV	CTB /UV
				115~121	UV	UV
				122~127	UV / Open	UV/ 白光
				128~189	Clockwise Color Wheel Rotation, Fast -> Slow	颜色盘顺转从快到 慢
				190~193	No Rotation	停止
				194~255	Counter Clockwise Color Wheel Rotation, Slow -> Fast	颜色盘逆转从快到 慢
				0~9	Open	白光
				10~16	Open / Magenta	白光 / 玫红
				17~23	Magenta	玫红
				24~30	Magenta / Blue	玫红 / 蓝色
				31~37	Blue	浅蓝色
				38~44	Blue / Green 485-525	浅蓝色 / 绿色
				45~51	Green 485-525	绿色
				52~58	Green / Yellow	绿色/黄色
				59~65	Yellow Y525	黄色
				66~72	Yellow / CTB	黄色 /CTB
4	6	6	Color	73~79	СТВ	СТВ
-	0		Wheel 2	80~86	CTB / Pink	粉红色 /CTB
				87~93	Pink	粉红色
				94~100	Pink / UV	粉红色 /UV
				101~107	UV	UV
				108~114	UV/ CTO	UV/CTO
				115~121	СТО	СТО
				122~127	CTO / Open	CTO/ 白光
				128~189	Clockwise Color Wheel Rotation, Fast -> Slow	颜色盘顺转从快到 慢
				190~193	No Rotation	停止
				194~255	Counter Clockwise Color Wheel Rotation, Slow -> Fast	颜色盘逆转从快到 慢
				0~4	Open	白圆
				5~19	Gobo 1	图案 1
				20~34	Gobo 2	图案 2

				35~49	Gobo 3	图案 3
				50~64	Gobo 4	图案 4
		65~79	Gobo 5	图案 5		
				80~94	Gobo 6	图案 6
				95~109	Gobo 1 shake (slow-fast)	图案 1 抖动
5	7	7	Gobo Wheel	110~124	Gobo 2 shake (slow-fast)	图案 2 抖动
			Wilcet	125~139	Gobo 3 shake (slow-fast)	图案 3 抖动
				140~154	Gobo 4 shake (slow-fast)	图案 4 抖动
				155~169	Gobo 5 shake (slow-fast)	图案 5 抖动
				170~189	Gobo 6 shake (slow-fast)	图案 6 抖动
				190~221	Clockwise Gobo Wheel Rotation, Fast -> Slow	图案盘顺转从快到 慢
				222~223	No Rotation	停止
				224~255	Counter Clockwise Gobo Wheel Rotation, Slow -> Fast	图案盘逆转从快到 慢
				0~127	Indexing	图案旋转定位
			Gobo	128~189	Clockwise Gobo Rotation, Fast -> Slow	图案顺转从快到慢
6	8	8	Rotation	190~193	No Rotation	停止
				194~255	Counter Clockwise Gobo Rotation, Slow -> Fast	图案逆转从慢到快
				0~31	Shutter closed	频闪关闭
				32~63	Shutter open	频闪打开
				64~95	Strobe Slow to fast	常规频闪从慢到快
7	9	9	Shutter	96~127	Shutter open	频闪打开
′	9	9	Siluttei	128~159	Pulse effect Slow to fast	脉冲频闪从慢到快
				160~191	Shutter open	频闪打开
				192~223	Random strobe Slow to fast	随机频闪从慢到快
				224~255	Shutter open	频闪打开
8	10	10	Dimmer	0~255	Intensity 0 to 100%	调光
		11	Dimmer fine	0~255	Dimmer Intensity Fine	调光微调
				0~5	No Prism - Open	无功能
				6~66	Prism 1 (5 Facet Linear Prism)	6 排镜
				67~127	Prism 2 (6 Facet Circular Prism)	6 棱镜
				128~135	Macro1	
				136~143	Macro2	
					<del></del>	

ı				144~151	Macro3					
				152~159		-				
				160~167		_				
			Prisms	168~175		-				
9	11	12	and Prism/	176~183						
9	11	12	Gobo	184~191		俊規宏 				
			Macros	192~199		_				
					Macro10	_				
				200~207		_				
					Macro12	_				
						_				
					Macro14	_				
					Macro14	_				
					Macro15	_				
H					Macro16	T 14.4K				
				0~5	Prism Rot. Off	无功能				
								6~128	Prism Indexing 0 540°	
10	12	13	Prism Rotation	129~191	Clockwise Prism Rotation, Fast -> Slow	棱镜顺转从快到慢				
				192~192	No Rotation	停止				
				193~255	Counter Clockwise Prism Rotation, Slow-> Fast	棱镜逆转从慢到快				
11	13	14	Focus	0~255	0% to 100%	调焦从近到远				
12	14	15	Zoom	0~255	Narrow to wide	放大从小到大				
		16	Zoom fine	0~255	Narrow to wide 16-bit	放大微调				
13	15	17	Heavy Frost	0~255	0% to 100%	重雾化				
14	16	18	Medium Frost	0~255	0% to 100%	轻雾化				
				0~20	Default to Unit Setting	显示菜单设置				
				21~40	Standard	标准模式				
				41~60	Stage	舞台模式				
				61~80	TV	电视模式				
				81~100	Architectural	建筑模式				
				101~120	Theater	剧院模式				
				121~140	Stage 2	舞台 2 模式				
				141	0.1 Sec.					
				142	0.2 Sec.					

				143	0.3 Sec.	]
				144	0.4 Sec.	1
				145	0.5 Sec.	1
				146	0.6 Sec.	1
1.5	17	10	Dimmer	147	0.7 Sec.	1
15	17	19	Modes	148	0.8 Sec.	1
				149	0.9 Sec.	]
				150	1.0 Sec.	调光延时
				151	1.5 Sec.	1
				152	2.0 Sec.	1
				153	3.0 Sec.	]
				154	4.0 Sec.	1
				155	5.0 Sec.	]
				156	6.0 Sec.	
				157	7.0 Sec.	
				158	8.0 Sec.	
				159	9.0 Sec.	
				160	10 Sec.	
				161~255	Default to Unit Setting	显示菜单设置
				0~20	Square	平方曲线
			Di	21~40	Linear	直线曲线
	18	20	Dim Curves	41~60	Inv. Squa	反平方曲线
			Cu. 7 CS	61~80	S. Curve	S 型曲线
				81~255	No function	无功能
				0~225	Pan/Tilt Fast -> Slow	XY 速度从快到慢
	Pan/Tilt Speed	226~235	Blackout by movement	XY 移动闭光		
16		236~245	Blackout by all wheel changing	图案、颜色移动闭 光		
				246~255	No function	无功能

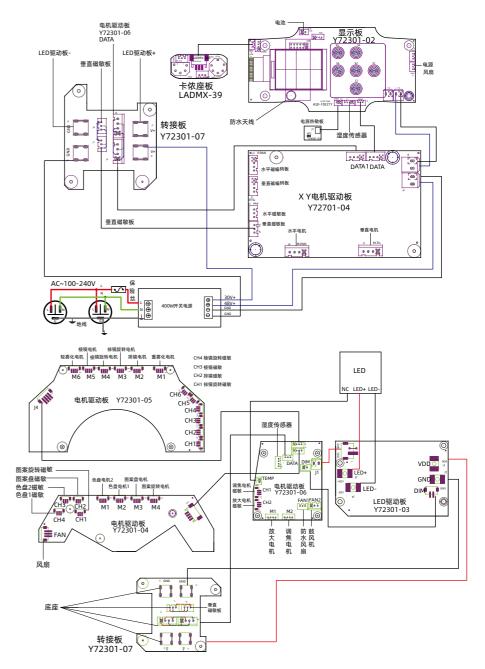
0~39         No function(1200 Hz LED Refresh Rate (Default)         无功能 (默认 1200HZ)           40~49         Fan Control - Low (Hold 3s)         风机低速           50~59         Fan Control - High (Hold 3s)         风机高速           60~69         Fan Control - Auto (Default) (Hold 3s)         风机自动           70~74         All motor Reset (Hold 3s)         所有电机复位           75~79         Pan / Tilt Reset (Hold 3s)         XY 电机复位           80~84         Color Reset (Hold 3s)         颜色盘 /CMY 复位           85~89         Gobo Reset (Hold 3s)         调先放大复位           95~99         Shutter Reset (Hold 3s)         调光复位           100~104         No function         无功能           105~109         Other motors Reset (Hold 3s)         其它电机复位           110~114         Enable Zoom Speed Fast(Hold 3s)         调焦放大快速           115~119         Disable Zoom Speed Fast(Hold 3s)         调焦放大快速           120~152         No function         无功能           155~156         Hibernation Enable (Hold 3s)         体服并定           155~156         Hibernation OFF (Hold 5s)         太联美           161~162         Pan/Tilt Speed 1 (Default) (Hold 5s)         XY 快速           165~166         Invert Pan ON (Hold 3s)         非直反向开启           167~168			
Fan Control - High (Hold 3s)	0~39	,	
Fan Control - Auto (Default) (Hold 3s)	40~49	Fan Control - Low (Hold 3s)	风机低速
70~74   All motor Reset (Hold 3s)	50~59	Fan Control - High (Hold 3s)	风机高速
75~79	60~69	Fan Control - Auto (Default) (Hold 3s)	风机自动
80~84 Color Reset (Hold 3s)	70~74	All motor Reset (Hold 3s)	所有电机复位
85~89 Gobo Reset (Hold 3s) 图案盘复位 90~94 Focus and Zoom Reset (Hold 3s) 调焦放大复位 95~99 Shutter Reset (Hold 3s) 调光复位 100~104 No function 无功能 105~109 Other motors Reset (Hold 3s) 其它电机复位 110~114 Enable Zoom Speed Fast(Hold 3s) 调焦放大慢速 115~119 Disable Zoom Speed Fast(Hold 3s) 调焦放大慢速 120~152 No function 无功能 155~156 Hibernation Enable (Hold 3s) 休眠开启 155~156 Display Backlight ON (Hold 3s) 显示屏亮 159~160 Display Backlight OFF (Hold 5s) 双Y快速 163~164 Pan/Tilt Speed 1 (Default) (Hold 5s) XY 快速 165~166 Invert Pan ON (Hold 3s) 非反一种形成 165~168 Invert Pan OFF (Hold 5s) 非互向开启 177~172 Invert Tilt OFF (Hold 5s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 175~176 930 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	75~79	Pan / Tilt Reset (Hold 3s)	XY 电机复位
90~94 Focus and Zoom Reset (Hold 3s) 调焦放大复位 95~99 Shutter Reset (Hold 3s) 调光复位 100~104 No function 无功能 105~109 Other motors Reset (Hold 3s) 其它电机复位 110~114 Enable Zoom Speed Fast(Hold 3s) 调焦放大慢速 115~119 Disable Zoom Speed Fast(Hold 3s) 调焦放大慢速 120~152 No function 无功能 153~154 Hibernation Enable (Hold 3s) 休眠开启 155~156 Hibernation OFF (Hold 5s) 休眠关闭 157~158 Display Backlight ON (Hold 3s) 显示屏亮 159~160 Display Backlight OFF (Hold 5s) 从Y快速 161~162 Pan/Tilt Speed 1 (Default) (Hold 5s) XY 快速 165~166 Invert Pan ON (Hold 3s) 水平反向开启 167~168 Invert Pan OFF (Hold 5s) 水平反向开启 171~172 Invert Tilt ON (Hold 3s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 175~176 930 Hz LED Refresh Rate (Hold 1s) 175~179 960 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	80~84	Color Reset (Hold 3s)	颜色盘 /CMY 复位
95~99 Shutter Reset (Hold 3s) 调光复位 100~104 No function 无功能 105~109 Other motors Reset (Hold 3s) 其它电机复位 110~114 Enable Zoom Speed Fast(Hold 3s) 调焦放大快速 115~119 Disable Zoom Speed Fast(Hold 3s) 调焦放大慢速 120~152 No function 无功能 153~154 Hibernation Enable (Hold 3s) 休眠开启 155~156 Hibernation OFF (Hold 5s) 休眠关闭 157~158 Display Backlight ON (Hold 3s) 显示屏亮 159~160 Display Backlight OFF (Hold 5s) 从Y快速 161~162 Pan/Tilt Speed 1 (Default) (Hold 5s) XY 快速 163~164 Pan/Tilt Speed 2 (Hold 5s) XY 慢速 165~166 Invert Pan ON (Hold 3s) 水平反向开启 167~168 Invert Pan OFF (Hold 5s) 水平反向开启 167~170 Invert Tilt ON (Hold 3s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 175~179 960 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 180~181 980 Hz LED Refresh Rate (Hold 1s)	85~89	Gobo Reset (Hold 3s)	图案盘复位
100~104 No function 无功能 105~109 Other motors Reset (Hold 3s) 其它电机复位 110~114 Enable Zoom Speed Fast(Hold 3s) 调焦放大快速 115~119 Disable Zoom Speed Fast(Hold 3s) 调焦放大慢速 120~152 No function 无功能 153~154 Hibernation Enable (Hold 3s) 休眠开启 155~156 Hibernation OFF (Hold 5s) 休眠关闭 157~158 Display Backlight ON (Hold 3s) 显示屏亮 159~160 Display Backlight OFF (Hold 5s) 显示屏灭 161~162 Pan/Tilt Speed 1 (Default) (Hold 5s) XY 快速 163~164 Pan/Tilt Speed 2 (Hold 5s) XY 慢速 165~166 Invert Pan ON (Hold 3s) 水平反向开启 167~168 Invert Pan OFF (Hold 5s) 水平反向开启 171~172 Invert Tilt ON (Hold 3s) 垂直反向并启 171~173 900 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 175~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 180~181 980 Hz LED Refresh Rate (Hold 1s)	90~94	Focus and Zoom Reset (Hold 3s)	调焦放大复位
105~109   Other motors Reset (Hold 3s)   其它电机复位   110~114   Enable Zoom Speed Fast(Hold 3s)   调焦放大快速   115~119   Disable Zoom Speed Fast(Hold 3s)   调焦放大慢速   120~152   No function   无功能   153~154   Hibernation Enable (Hold 3s)   休眠开启   155~156   Hibernation OFF (Hold 5s)   休眠关闭   157~158   Display Backlight ON (Hold 3s)   显示屏亮   159~160   Display Backlight OFF (Hold 5s)   显示屏灭   161~162   Pan/Tilt Speed 1 (Default) (Hold 5s)   XY 快速   163~164   Pan/Tilt Speed 2 (Hold 5s)   XY 慢速   165~166   Invert Pan ON (Hold 3s)   水平反向开启   167~168   Invert Pan OFF (Hold 5s)   水平反向开关闭   169~170   Invert Tilt ON (Hold 3s)   垂直反向开启   171~172   Invert Tilt OFF (Hold 5s)   垂直反向关闭   173~173   900 Hz LED Refresh Rate (Hold 1s)   175~175   920 Hz LED Refresh Rate (Hold 1s)   176~176   930 Hz LED Refresh Rate (Hold 1s)   177~177   940 Hz LED Refresh Rate (Hold 1s)   178~178   950 Hz LED Refresh Rate (Hold 1s)   179~179   960 Hz LED Refresh Rate (Hold 1s)   180~180   970 Hz LED Refresh Rate (Ho	95~99	Shutter Reset (Hold 3s)	调光复位
用語	100~104	No function	无功能
115~119 Disable Zoom Speed Fast(Hold 3s)	105~109	Other motors Reset (Hold 3s)	其它电机复位
120~152   No function   天功能   153~154   Hibernation Enable (Hold 3s)   休眠开启   155~156   Hibernation OFF (Hold 5s)   休眠关闭   157~158   Display Backlight ON (Hold 3s)   显示屏亮   159~160   Display Backlight OFF (Hold 5s)   显示屏灭   161~162   Pan/Tilt Speed 1 (Default) (Hold 5s)   XY 快速   163~164   Pan/Tilt Speed 2 (Hold 5s)   XY 慢速   165~166   Invert Pan ON (Hold 3s)   水平反向开启   167~168   Invert Pan OFF (Hold 5s)   垂直反向开启   171~172   Invert Tilt ON (Hold 3s)   垂直反向关闭   173~173   900 Hz LED Refresh Rate (Hold 1s)   175~175   920 Hz LED Refresh Rate (Hold 1s)   175~175   920 Hz LED Refresh Rate (Hold 1s)   176~176   930 Hz LED Refresh Rate (Hold 1s)   178~178   950 Hz LED Refresh Rate (Hold 1s)   178~178   950 Hz LED Refresh Rate (Hold 1s)   179~179   960 Hz LED Refresh Rate (Hold 1s)   180~180   970 Hz LED Refresh Rate (Hold 1s)   180~180   970 Hz LED Refresh Rate (Hold 1s)   180~180   980 Hz LED Refresh Rate (Hold 1s)   181~181   980 Hz LED Refresh Rate (Hold 1s)	110~114	Enable Zoom Speed Fast(Hold 3s)	调焦放大快速
153~154   Hibernation Enable (Hold 3s)   休眠开启   155~156   Hibernation OFF (Hold 5s)   休眠关闭   157~158   Display Backlight ON (Hold 3s)   显示屏亮   159~160   Display Backlight OFF (Hold 5s)   显示屏灭   161~162   Pan/Tilt Speed 1 (Default) (Hold 5s)   XY 快速   163~164   Pan/Tilt Speed 2 (Hold 5s)   XY 快速   165~166   Invert Pan ON (Hold 3s)   水平反向开启   167~168   Invert Pan OFF (Hold 5s)	115~119	Disable Zoom Speed Fast(Hold 3s)	调焦放大慢速
A・ This control is the properties of the pro	120~152	No function	无功能
Display Backlight ON (Hold 3s)  159~160 Display Backlight OFF (Hold 5s) 显示屏灭  161~162 Pan/Tilt Speed 1 (Default) (Hold 5s) XY 快速 163~164 Pan/Tilt Speed 2 (Hold 5s) XY 慢速 165~166 Invert Pan ON (Hold 3s) 水平反向开启 167~168 Invert Pan OFF (Hold 5s)  171~172 Invert Tilt ON (Hold 3s)  #直反向开启 171~172 Invert Tilt OFF (Hold 5s) #直反向关闭  173~173 900 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 175~175 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 178~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	153~154	Hibernation Enable (Hold 3s)	休眠开启
159~160 Display Backlight OFF (Hold 5s) 显示屏灭 161~162 Pan/Tilt Speed 1 (Default) (Hold 5s) XY 快速 163~164 Pan/Tilt Speed 2 (Hold 5s) XY 慢速 165~166 Invert Pan ON (Hold 3s) 水平反向开启 167~168 Invert Pan OFF (Hold 5s) 水平反向开启 169~170 Invert Tilt ON (Hold 3s) 垂直反向开启 171~172 Invert Tilt OFF (Hold 5s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 178~178 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	155~156	Hibernation OFF (Hold 5s)	休眠关闭
161~162 Pan/Tilt Speed 1 (Default) (Hold 5s) XY 快速 163~164 Pan/Tilt Speed 2 (Hold 5s) XY 慢速 165~166 Invert Pan ON (Hold 3s) 水平反向开启 167~168 Invert Pan OFF (Hold 5s) 水平反向开关闭 169~170 Invert Tilt ON (Hold 3s) 垂直反向开启 171~172 Invert Tilt OFF (Hold 5s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	157~158	Display Backlight ON (Hold 3s)	显示屏亮
163~164 Pan/Tilt Speed 2 (Hold 5s) XY 慢速 165~166 Invert Pan ON (Hold 3s) 水平反向开启 167~168 Invert Pan OFF (Hold 5s) 水平反向开关闭 169~170 Invert Tilt ON (Hold 3s) 垂直反向开启 171~172 Invert Tilt OFF (Hold 5s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	159~160	Display Backlight OFF (Hold 5s)	显示屏灭
水平反向开启	161~162	Pan/Tilt Speed 1 (Default) (Hold 5s)	XY 快速
167~168 Invert Pan OFF (Hold 5s) 水平反向开关闭 169~170 Invert Tilt ON (Hold 3s) 垂直反向开启 171~172 Invert Tilt OFF (Hold 5s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	163~164	Pan/Tilt Speed 2 (Hold 5s)	XY 慢速
169~170 Invert Tilt ON (Hold 3s) 垂直反向开启 171~172 Invert Tilt OFF (Hold 5s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s)	165~166	Invert Pan ON (Hold 3s)	水平反向开启
171~172 Invert Tilt OFF (Hold 5s) 垂直反向关闭 173~173 900 Hz LED Refresh Rate (Hold 1s) 174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	167~168	Invert Pan OFF (Hold 5s)	水平反向开关闭
173~173 900 Hz LED Refresh Rate (Hold 1s) 174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	169~170	Invert Tilt ON (Hold 3s)	垂直反向开启
174~174 910 Hz LED Refresh Rate (Hold 1s) 175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	171~172	Invert Tilt OFF (Hold 5s)	垂直反向关闭
175~175 920 Hz LED Refresh Rate (Hold 1s) 176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	173~173	900 Hz LED Refresh Rate (Hold 1s)	
176~176 930 Hz LED Refresh Rate (Hold 1s) 177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	174~174	910 Hz LED Refresh Rate (Hold 1s)	
177~177 940 Hz LED Refresh Rate (Hold 1s) 178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	175~175	920 Hz LED Refresh Rate (Hold 1s)	
178~178 950 Hz LED Refresh Rate (Hold 1s) 179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	176~176	930 Hz LED Refresh Rate (Hold 1s)	
179~179 960 Hz LED Refresh Rate (Hold 1s) 180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	177~177	940 Hz LED Refresh Rate (Hold 1s)	
180~180 970 Hz LED Refresh Rate (Hold 1s) 181~181 980 Hz LED Refresh Rate (Hold 1s)	178~178	950 Hz LED Refresh Rate (Hold 1s)	
181~181 980 Hz LED Refresh Rate (Hold 1s)	179~179	960 Hz LED Refresh Rate (Hold 1s)	
· · ·	180~180	970 Hz LED Refresh Rate (Hold 1s)	
182~182 990 Hz LED Refresh Rate (Hold 1s)	181~181	980 Hz LED Refresh Rate (Hold 1s)	
	182~182	990 Hz LED Refresh Rate (Hold 1s)	

		183~183 1000 Hz LED Refresh Rate (Hold 1s)
		184~184 1010 Hz LED Refresh Rate (Hold 1s)
		185~185 1020 Hz LED Refresh Rate (Hold 1s)
		186~186 1030 Hz LED Refresh Rate (Hold 1s)
		187~187 1040 Hz LED Refresh Rate (Hold 1s)
		188~188 1050 Hz LED Refresh Rate (Hold 1s)
		189~189 1060 Hz LED Refresh Rate (Hold 1s)
		190~190 1070 Hz LED Refresh Rate (Hold 1s)
		191~191 1080 Hz LED Refresh Rate (Hold 1s)
		192~192 1090 Hz LED Refresh Rate (Hold 1s)
		193~193 1100 Hz LED Refresh Rate (Hold 1s)
		194~194 1110 Hz LED Refresh Rate (Hold 1s)
		195~195 1120 Hz LED Refresh Rate (Hold 1s)
		196~196 1130 Hz LED Refresh Rate (Hold 1s)
		197~197 1140 Hz LED Refresh Rate (Hold 1s)
		198~198 1150 Hz LED Refresh Rate (Hold 1s)
	Special	199~199 1160 Hz LED Refresh Rate (Hold 1s)
7 20 22	Function	200~200 1170 Hz LED Refresh Rate (Hold 1s)
		201~201 1180 Hz LED Refresh Rate (Hold 1s)
		202~202 1190 Hz LED Refresh Rate (Hold 1s)
		203~203 1210 Hz LED Refresh Rate (Hold 1s)
		204~204 1220 Hz LED Refresh Rate (Hold 1s)
		205~205 1230 Hz LED Refresh Rate (Hold 1s)
		206~206 1240 Hz LED Refresh Rate (Hold 1s)
		207~207 1250 Hz LED Refresh Rate (Hold 1s)
		208~208 1260 Hz LED Refresh Rate (Hold 1s)
		209~209 1270 Hz LED Refresh Rate (Hold 1s)
		210~210 1280 Hz LED Refresh Rate (Hold 1s)
		211~211 1290 Hz LED Refresh Rate (Hold 1s)
		212~212 1300 Hz LED Refresh Rate (Hold 1s)
		213~213 1310 Hz LED Refresh Rate (Hold 1s)
		214~214 1320 Hz LED Refresh Rate (Hold 1s)
		215~215 1330 Hz LED Refresh Rate (Hold 1s)
		216~216 1340 Hz LED Refresh Rate (Hold 1s)
		217~217 1350 Hz LED Refresh Rate (Hold 1s)

LED 刷新频率选择

(Hold 3s)  242~242 Internal program 2 (scenes 9~16) (Hold 3s)  243~243 Internal program 3 (scenes 17~24) (Hold 3s)  244~244 Internal program 4 (scenes 25~32) (Hold 3s)  245~245 Internal program 5 (scenes 33~40) (Hold 3s)  246~246 Internal program 6 (scenes 41~48) (Hold 3s)  Internal program 7 (scenes 49~56)			
221~221 1390 Hz LED Refresh Rate (Hold 1s) 222~222 1400 Hz LED Refresh Rate (Hold 1s) 223~223 1410 Hz LED Refresh Rate (Hold 1s) 224~224 1420 Hz LED Refresh Rate (Hold 1s) 225~225 1430 Hz LED Refresh Rate (Hold 1s) 226~226 1440 Hz LED Refresh Rate (Hold 1s) 227~227 1450 Hz LED Refresh Rate (Hold 1s) 228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 5000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 (Hold 3s) 242~242 (Hold 3s) 243~243 Internal program 1 (scenes 1~8) (Hold 3s) 244~244 (Internal program 3 (scenes 17~24) (Hold 3s) 244~244 (Internal program 4 (scenes 25~32) (Hold 3s) 244~245 (Internal program 5 (scenes 33~40) (Hold 3s) 246~246 (Internal program 6 (scenes 41~48) (Hold 3s) 247~247 (Internal program 7 (scenes 49~56) (Hold 3s)	219~219	1370 Hz LED Refresh Rate (Hold 1s)	
222~222 1400 Hz LED Refresh Rate (Hold 1s) 223~223 1410 Hz LED Refresh Rate (Hold 1s) 224~224 1420 Hz LED Refresh Rate (Hold 1s) 225~225 1430 Hz LED Refresh Rate (Hold 1s) 226~226 1440 Hz LED Refresh Rate (Hold 1s) 227~227 1450 Hz LED Refresh Rate (Hold 1s) 228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 5000 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 239~239 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 4 (scenes 25~32) (Hold 3s) 244~244 Internal program 5 (scenes 33~40) (Hold 3s) 245~245 Internal program 6 (scenes 41~48) (Hold 3s) 246~246 Internal program 7 (scenes 49~56) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	220~220	1380 Hz LED Refresh Rate (Hold 1s)	
223~223 1410 Hz LED Refresh Rate (Hold 1s) 224~224 1420 Hz LED Refresh Rate (Hold 1s) 225~225 1430 Hz LED Refresh Rate (Hold 1s) 226~226 1440 Hz LED Refresh Rate (Hold 1s) 227~227 1450 Hz LED Refresh Rate (Hold 1s) 228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s)	221~221	1390 Hz LED Refresh Rate (Hold 1s)	
224~224 1420 Hz LED Refresh Rate (Hold 1s) 225~225 1430 Hz LED Refresh Rate (Hold 1s) 226~226 1440 Hz LED Refresh Rate (Hold 1s) 227~227 1450 Hz LED Refresh Rate (Hold 1s) 228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 244~244 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s)	222~222	1400 Hz LED Refresh Rate (Hold 1s)	
225~225 1430 Hz LED Refresh Rate (Hold 1s) 226~226 1440 Hz LED Refresh Rate (Hold 1s) 227~227 1450 Hz LED Refresh Rate (Hold 1s) 228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 244~244 Internal program 5 (scenes 33~40) (Hold 3s) 245~245 Internal program 6 (scenes 41~48) (Hold 3s) 246~246 Internal program 7 (scenes 49~56) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s)	223~223	1410 Hz LED Refresh Rate (Hold 1s)	
226~226 1440 Hz LED Refresh Rate (Hold 1s) 227~227 1450 Hz LED Refresh Rate (Hold 1s) 228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s)	224~224	1420 Hz LED Refresh Rate (Hold 1s)	
227~227 1450 Hz LED Refresh Rate (Hold 1s) 228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 4 (scenes 25~32) (Hold 3s) 244~244 Internal program 5 (scenes 33~40) (Hold 3s) 245~245 Internal program 6 (scenes 41~48) (Hold 3s) 246~246 Internal program 7 (scenes 49~56) (Hold 3s)	225~225	1430 Hz LED Refresh Rate (Hold 1s)	
228~228 1460 Hz LED Refresh Rate (Hold 1s) 229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 4 (scenes 25~32) (Hold 3s) 244~244 Internal program 5 (scenes 33~40) (Hold 3s) 245~245 Internal program 6 (scenes 41~48) (Hold 3s) 246~246 Internal program 7 (scenes 49~56) (Hold 3s)	226~226	1440 Hz LED Refresh Rate (Hold 1s)	
229~229 1470 Hz LED Refresh Rate (Hold 1s) 230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 233~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	227~227	1450 Hz LED Refresh Rate (Hold 1s)	
230~230 1480 Hz LED Refresh Rate (Hold 1s) 231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	228~228	1460 Hz LED Refresh Rate (Hold 1s)	
231~231 1490 Hz LED Refresh Rate (Hold 1s) 232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 238~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	229~229	1470 Hz LED Refresh Rate (Hold 1s)	
232~232 1500 Hz LED Refresh Rate (Hold 1s) 233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	230~230	1480 Hz LED Refresh Rate (Hold 1s)	
233~233 2500 Hz LED Refresh Rate (Hold 1s) 234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	231~231	1490 Hz LED Refresh Rate (Hold 1s)	
234~234 4000 Hz LED Refresh Rate (Hold 1s) 235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	232~232	1500 Hz LED Refresh Rate (Hold 1s)	
235~235 5000 Hz LED Refresh Rate (Hold 1s) 236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	233~233	2500 Hz LED Refresh Rate (Hold 1s)	
236~236 6000 Hz LED Refresh Rate (Hold 1s) 237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	234~234	4000 Hz LED Refresh Rate (Hold 1s)	
237~237 10,000 Hz LED Refresh Rate (Hold 1s) 238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) Internal program 7 (scenes 49~56) (Hold 3s)	235~235	5000 Hz LED Refresh Rate (Hold 1s)	
238~238 15,000 Hz LED Refresh Rate (Hold 1s) 239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	236~236	6000 Hz LED Refresh Rate (Hold 1s)	
239~239 20,000 Hz LED Refresh Rate (Hold 1s) 240~240 25,000 Hz LED Refresh Rate (Hold 1s) 241~241 Internal program 1 (scenes 1~8) (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	237~237	10,000 Hz LED Refresh Rate (Hold 1s)	
240~240 25,000 Hz LED Refresh Rate (Hold 1s)  241~241 Internal program 1 (scenes 1~8) (Hold 3s)  242~242 Internal program 2 (scenes 9~16) (Hold 3s)  243~243 Internal program 3 (scenes 17~24) (Hold 3s)  244~244 Internal program 4 (scenes 25~32) (Hold 3s)  245~245 Internal program 5 (scenes 33~40) (Hold 3s)  246~246 Internal program 6 (scenes 41~48) (Hold 3s)  247~247 Internal program 7 (scenes 49~56) (Hold 3s)	238~238	15,000 Hz LED Refresh Rate (Hold 1s)	
241~241 Internal program 1 (scenes 1~8) (Hold 3s)  242~242 Internal program 2 (scenes 9~16) (Hold 3s)  243~243 Internal program 3 (scenes 17~24) (Hold 3s)  244~244 Internal program 4 (scenes 25~32) (Hold 3s)  245~245 Internal program 5 (scenes 33~40) (Hold 3s)  246~246 Internal program 6 (scenes 41~48) (Hold 3s)  247~247 Internal program 7 (scenes 49~56) (Hold 3s)	239~239	20,000 Hz LED Refresh Rate (Hold 1s)	
241~241 (Hold 3s) 242~242 Internal program 2 (scenes 9~16) (Hold 3s) 243~243 Internal program 3 (scenes 17~24) (Hold 3s) 244~244 Internal program 4 (scenes 25~32) (Hold 3s) 245~245 Internal program 5 (scenes 33~40) (Hold 3s) 246~246 Internal program 6 (scenes 41~48) (Hold 3s) 247~247 Internal program 7 (scenes 49~56) (Hold 3s)	240~240	25,000 Hz LED Refresh Rate (Hold 1s)	
243~243 (Hold 3s)  243~243 Internal program 3 (scenes 17~24) (Hold 3s)  244~244 Internal program 4 (scenes 25~32) (Hold 3s)  245~245 Internal program 5 (scenes 33~40) (Hold 3s)  246~246 Internal program 6 (scenes 41~48) (Hold 3s)  247~247 Internal program 7 (scenes 49~56) (Hold 3s)	241~241		
243~243 (Hold 3s)  244~244 Internal program 4 (scenes 25~32) (Hold 3s)  245~245 Internal program 5 (scenes 33~40) (Hold 3s)  246~246 Internal program 6 (scenes 41~48) (Hold 3s)  247~247 Internal program 7 (scenes 49~56) (Hold 3s)	242~242	. , ,	
245~245 (Hold 3s)  245~245 Internal program 5 (scenes 33~40) (Hold 3s)  246~246 (Hold 3s)  247~247 Internal program 7 (scenes 49~56) (Hold 3s)	243~243	. , ,	
246~246 (Hold 3s)  246~246 (Hold 3s)  247~247 (Hold 3s)  Internal program 7 (scenes 49~56) (Hold 3s)	244~244		内置效果选择
247~247 (Hold 3s)  247~247 (Hold 3s)  (Hold 3s)	245~245		
(Hold 3s)	246~246		
248~255 No function 无功能	247~247	. , ,	
	248~255	No function	无功能

#### 九、控制线路图



#### 十、常规维护

#### 10.1、清洁与保养

灯具要求进行日常清洁保养,使用寿命长短很大程度取决于操作环境和规 范,如有疑问请咨询我司技术工程师的建议,在本书中没有包括的维修和 保养工作交给我司有资格的技术工程师。



注意! 灰尘、烟油等其它原因造成,非正常性使用引起的损坏,不 在保修范围之内。



#### 警告!

打开任何盖子之前需断开电源。清洁光学部件需轻擦,涂层 表面较容易划伤,请勿使用有损害性的液体或硬物体,否则 会损坏塑料或涂层表面。

- 当镜头有破裂或其它损坏时,应及时更换;
- 当亮度明显下降时, LED 可能已到使用期限, 应及时更换;
- 当灯具无法启动时,请检查灯具电源保险丝是否烧断,如烧断,必须使 用相同规格的保险丝安装:
- 灯具装有温度保护装置,当温度过高时保护装置会自动降功率,当发生 此种情况时,请检查风扇是否正常运转,风扇及风扇网是否有灰尘堵塞, 找出故障检修后再启动灯具。注意,必须有资格的技术人员方可进行维 修工作;
- 为了保持调焦透镜的平滑运动建议每三个月给调焦透镜的导轨润滑。应 采用优良且耐高温的润滑脂,在使用润滑脂时不宜过多,容易弄脏旁边 的部件。

#### 10.2、故障分析处理

故障描述	分析	处理
通电后无动作	检查电源开关是否打开	打开
	检查保险丝是否烧断	更换
	检查开关电源输出端是否正常	检测电压
	检查内部线路是否接触不良	重新连接

灯具不受控制	检查 DMX 信号线连接是否正确 (如没信号, 显示屏会闪烁)	重新连接或更换
	检查地址码是否正确,灯具的 DMX 模式是 否与设置一致	重新确认
	主控板损坏	更换
	LED 老化或损坏	更换
灯不亮	电源板故障	检查 / 更换
刀小元	线路松脱或接触不良	重新连接
	开关电源故障	更换
	LED 老化	更换
白马亚红金杏麻	散热风机损坏或风速不正常	更换
自动灭灯或变暗	检查电源线路板风机电源输出	检查 / 更换
	温控开关损坏	更换
	电机线接触不良	重新连接
图案盘错位或	相对应的电机驱动板故障	重新固定
控制不正常	磁敏管与定位磁铁有错位或磁敏损坏	调整 / 更换
	电机故障	更换
	LED 老化	更换
光效衰弱,	LED 与透镜不正中	调整 LED
光斑不均匀	光学镜有积尘或污迹	清洁
	光学镜有破损	更换
	光效衰弱	更换灯板
颜色不纯	色片有积尘或污迹	清洁
	色片有脱模或破损	更换
历史工法唯	光学镜有积尘或污迹	清洁
图案不清晰	光学镜有破损	更换
	检查风扇引线是否安装到位或断开	重新连接
头部或底座风扇 停止转动	检查风扇是否损坏	更换
13	检查风扇运转范围是否有其它干涉物品	调整干涉物



国家高新技术企业

