

OMEGA

PR-8132

This product manual contains important information about the safe installation and use of this product. Please read and follow these instructions carefully before installing and using the product and keep this manual in a safe place for future reference.

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ACCESSORIES

The following items are supplied with the projector and please check:

| Name | Quantity | Unit | Remark |
|--------------------------|----------|------|----------------------|
| G clamps | 2 | Pcs | |
| XLR cable | 1 | Pc | with plug and socket |
| Safety cord | 1 | Pc | |
| This manual | 1 | Pc | |
| Power cord | 1 | Pc | |
| Wireless receiver module | 1 | Set | |

Please note that as part of our ongoing commitment to continuous product development, specifications are subject to change without notice. Whilst every care is taken in the preparation of the manual we reserve the right to change specifications in the course of product improvement. The publishers cannot be held responsible for the accuracy of the information herein, or any consequence arising from them.

Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and / or the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer and / or dealer.








Note: For the products made by Guangzhou PR lighting Ltd, the warranty for the whole product is one year starting from the delivery date but the light source is not within the warranty

Any future technical change in the user manual won't be with any notice.

1. SAFETY AND WARNINGS

| | |
|---|---|
|  | <p>NOTE</p> <p>Before a projector's installation, power-on, operation and maintenance, please carefully read the safety information hereinafter!</p> |
|---|---|

The following safety signs are used in the user manual.

| | | | | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| Warning | User Manual | Electrical shock | Goggles | Protective Gloves | Flames | High Temperature |



- When unpacking , check if there is transportation damage before using the projector. Should there be any damage caused by transportation, consult your dealer and do not use it.
- The manufacture is not responsible for loss caused by the user not following the manual or changing the projector as he/she likes
- Please be noted that the damage caused by changing the projector at will is not warranted.
- Do not hesitate to contact the dealer or the manufacturer if any questions or advice.



- The projector is for indoor use only, IP20.
- Use only in dry locations. Keep this unit away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.
- The projector should be kept away from high temperature, fire, electrical surge, vibration and strong light while being operated
- The projector is only intended for installation, operation and maintenance by qualified personnel. And the operation must strictly follow the procedures in the manual
- No repairable parts in the projector and do not open covers for maintenance by yourself.



- Don't look straightly into the light sources especially for epileptics, otherwise eyes will be burned.
- Do not connect this device to any type of dimmer pack
- After lamp switched on, the minimum distance between the projector and illuminated surface is 5m
- If the lamp, lens and screen protective cover of the a lighting fixture have obvious damage, i. e., to the extent that it hurts the performance like cracking or deformation. Please stop use it and replace them with the original parts, otherwise its performance will be compromised.



- Before operation, please confirm that all covers(housing) are on and screws tightened. It's forbidden to use a projector while covers(housing)are off
- Keep the lamp clean and do not touch it with bare hands.
- While operating it, wear protective items.



- Any electrical connection must be carried out by a qualified person .
- Before installation, please confirm the voltage supplied matches what is required for the projector
- Each projector must be properly earthed and installed as per related electrical standards.
- Do not use power cord with its insulator damaged and connect the power cord with other cables.
- If the projector is not used or under cleaning,, please hold the plug and unplug it. Do not unplug it forcefully or by pulling the power cable.
 - All power cords must conform to related safety and regulations
 - While being operated, the projector should not be under rains or in humidity.
 - Do not switch on and off the projector constantly in very short intervals, otherwise the light source's and other electrical parts' life will be shortened .



- There are safety cord holes at the bottom of the base of a projector. In view of safety, please run the safety cord

supplied through the safety cord holes for safety support.

•Before any installation, maintenance and cleaning work, please ensure the projector is disconnected from power mains.



•After running for 30minutes, the temperature of the housing of the projector is 45°C. After stable operation, its temperature is 60°C.

•While the lamp is stricken for the first time, there will be smoke and strange smell. It's normal and does not mean the projector has some defects.



•Do not mount the projector directly on inflammable surface 

•Do not project the beam straightly on combustible items and the minimum distance between the projector and illuminated items is 5m.

•A projector should be installed with good ventilation and the minimum distance between the projector and walls is 50cm. At the same time, please ensure the fans and air inlets and outlets are workable.

2. INSTRUCTIONS

•CLEANING AND MAINTENANCE

If a projector can't start. Please check if the fuse is blown up. If it does, replace it with a new fuse with same ratings. And the projector has over-temperature protective device. If the temperature is too high, the protective device will be triggered to shut the projector off. When it happens, please check if the fans run normally or fan shield is blocked by dust. After the issue is solved, restart the projector.

The accumulation of oil, smoke and dust on the lens will compromise the light output. Cleaning a projector is very necessary to ensure a reliable use of it. Cooling fans need to be cleaned every 15days. Internal lens need to be cleaned periodically to optimize light output.

Cleaning frequency is to be decided by operations and its environment. Use soft cloth and normal detergent for glass for cleaning work. It's advised external optical system be cleaned every 20days and internal optical systems every 30/60days. Keep lens clean and do not touch optical parts with bare hands.



•Before any maintenance and cleaning, please ensure the project is off the power

•Only qualified person is allowed to do maintenance

•During maintenance and before maintenance, the projector must be off power.



•To avoid internal damage, sun light or other light mustn't penetrate into the projector via front lens whether it runs or not

•Do not use alcohol or other organic solvent to clean the housing to avoid damage.

•Do not use any solvent with chemical elements to clean color filters or hot mirror.

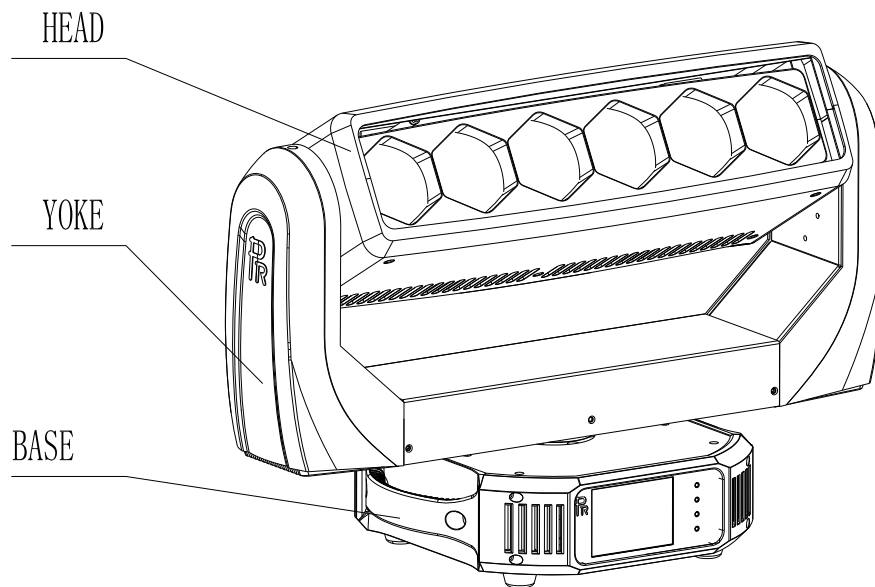
•LUBRICATION (Only suitable for projectors with zoom lens)

To ensure smooth movement ZOOM lens, it's advised 2 sliding bars for ZOOM lens be lubricated every 2 months. High quality and high temperature lubricant/grease is advised.

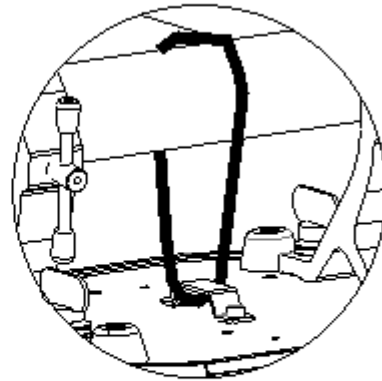
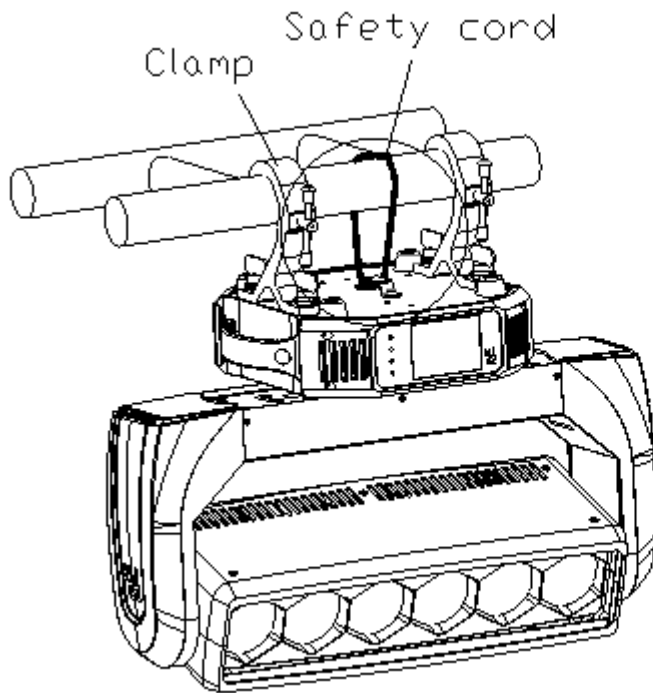
•TROUBLESHOOTING

| PROBLEM | ACTION |
|---|--|
| The projector doesn't switch on | <ul style="list-style-type: none"> ➤ Check the fuse on the power socket. ➤ Check the power cord. ➤ Check if the power supply is damaged or not connected well. A professional technician is needed for the repairing. ➤ Check if the control board is connected well. A professional technician is needed for the repairing. |
| The projector can be turned on, but the LED is not bright and doesn't respond to the controller | <ul style="list-style-type: none"> ➤ Check if the LED driver board is connected well. A professional technician is needed for the repairing. |
| The projector can be turned on but doesn't respond to the controller | <ul style="list-style-type: none"> ➤ Make sure that the fixture's start address is right ➤ Replace or repair the XLR signal cable. |
| Beam appears dim, Low in brightness | <ul style="list-style-type: none"> ➤ Check if the fans work well and if dust blocks the fans and their shield screen. ➤ Check if the internal optical system is clean or not. |
| The project image appears to have a halo | <ul style="list-style-type: none"> ➤ Carefully clean the lamp, optical lenses and other components. |
| Heavily Defective Beam | <ul style="list-style-type: none"> ➤ Check if lens are in good condition(not cracked) ➤ Clean dust or grease on the lens. |

3. APPEARANCE



4. INSTALLATION



Warning:
For safety, please run the safety cord through the holes.

Take 2 clamps and 1 the safety cord out from the package and mount 1 clamp on the **BOTTOM** of fixture with 2 retainers attached to the clamp. Hang the fixture on the steel truss and fasten the retainers attached to the clamp. Always ensure that the location that you are going to mount the unit is secure and is strong enough to support the weight of the unit (See the **WARNING** as shown above) **To pass SAFETY CORD through the SAFETY HOLE on the back cover of the base of the fixture for safety!** Always ensure that the unit is firmly anchored to avoid vibration and slipping whilst functioning.



WARNING:

- The projector **MUST** be lifted or carried by the **HANDLES** instead of clamps.
- For safety the safety cord should afford 10 times the Projector's weight.

• **POWER CONNECTION**

Connect the power cord as follows:

L (live) =brown

E (earth) =yellow/green

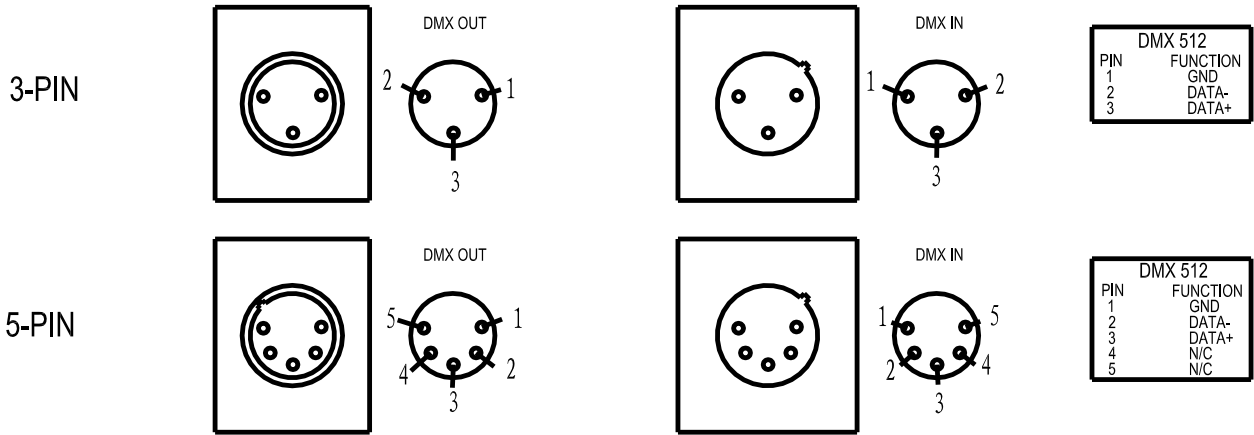
N (neutral) =blue

Before power connection, please ensure the power supplied must match what the nameplate says. It is recommended that each projector be connected with power separately so that they may be individually switched on and off.



- The earth wire(yellow/green) must be connected to the ground. And electrical connection must be in accordance with the standards concerned.
- If any questions about the electrical installation, do not continue but consult a qualified electrician.

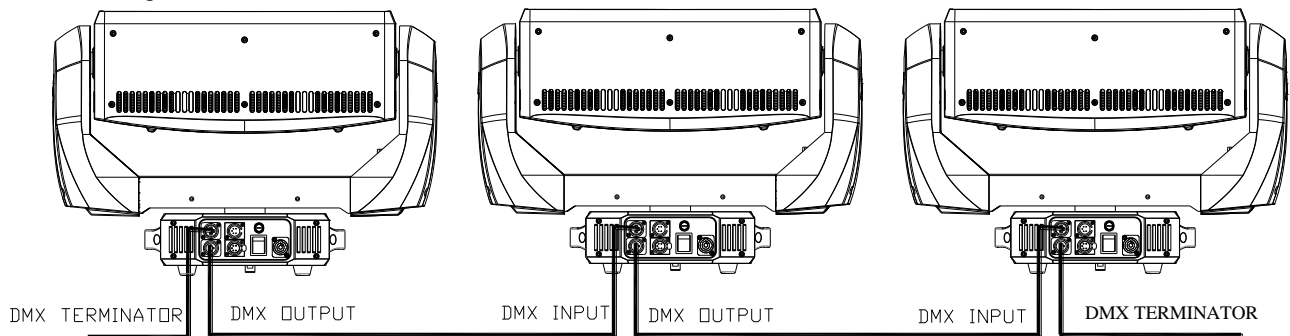
DMX CONTROL CONNECTION



Connection between controller and projector and between one projector and another must be made with a twin-screened cable, with each wire having at least a 0.5mm in diameter. Connection to and from the projector is via cannon 5 pin (which are included with the projector) or 5 pin XLR plugs and sockets. The XLR's are connected as shown in the figure above.

Note: care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. XLR plugs and sockets mustn't be connected in any way other than mentioned in the above figure. The projector accepts digital control signals in protocol DMX512 (1990).

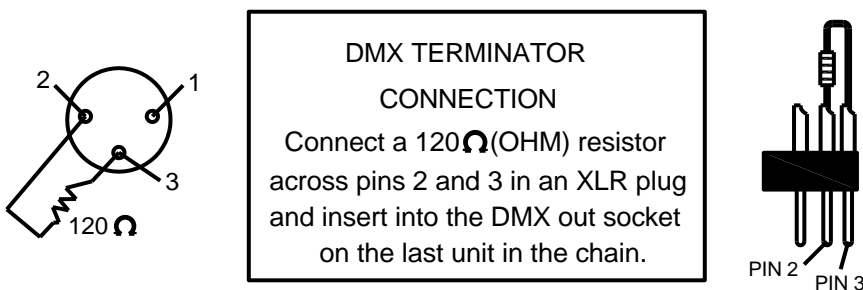
Connect the controller's DMX output to the first fixture's DMX input, and connect the first fixture's DMX output to the second fixture's DMX input and connect the rest fixtures in the same way. Eventually connect the last fixture's DMX output to a DMX terminator as shown in the figure below.



DMX TERMINATOR

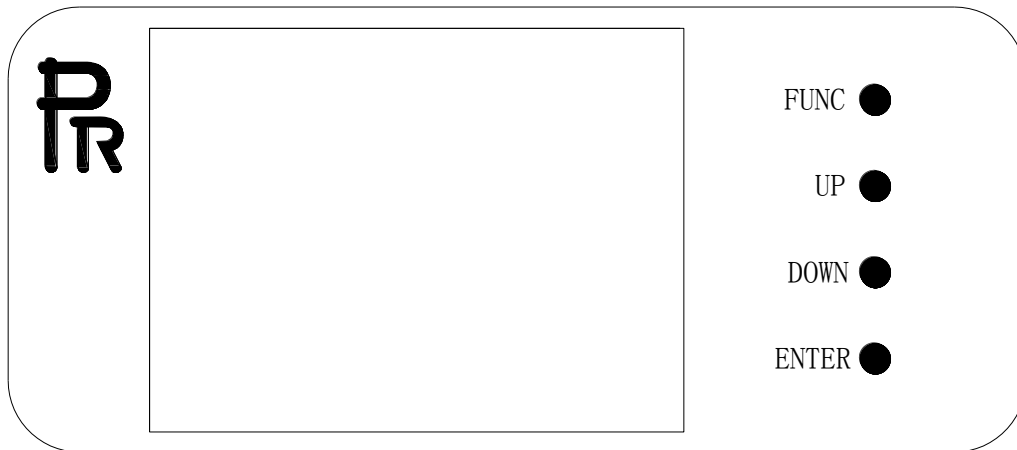
In the Controller mode, at the last projector in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.



5. SETUP AND CONFIGURATION

•FRONT PANEL OPERATION



Projector configuration can be set conveniently via push buttons and color touch screen.

To browse through or change the projector's settings, touch the white area of the touch screen or press ENTER button for more than 3s(Only powered by the battery, pressing the ENTER button will turn on the display) , then the screen will display the projector's function menus. Each main menu has its sub-menus. And each menu stands for special function. For the details, please see the following:

1. To set or browse through the functions via the icon interface, push the buttons on the left and right or touch the icon with the desired function.
2. While at 2nd,3rd and 4th level of menus, the left key is for ESCAPE, but the right key won't work, and ENTER key is used for confirmation. Press ENTER key to save the changes or enter into the sub menus. Press UP or DOWN keys to change the numbers(minus or plus). Or touch the option needed for change.

Press the left key or touch the X icon on top-right to go back to the upper level menu. If no action, the system will automatically go back to initial display status.

Shortcut keys: with the graphic display, its top shows the projector's name . There are 3 shortcut keys to change between Chinese and English languages, invert the display and go back to the upper level menu.

• DMX START ADDRESS

If many projector s are controlled by the controller, each projector should be set with a start address to receive signals sent by the controller and respond to it. The projector have 3 DMX modes. There are short mode, standard mode and extended mode. For example standard mode has 31channels, so set the No. 1 Projector's address 001, No. 2 Projector's address 032, No. 3 Projector's address 063 and so on.

Switch on the Projector . Press ENTER key more than 3 seconds to unlock panel.

Select DMX Address icon and press ENTER key or touch the icon directly on the display and select DMX address at the 2nd level menu for the address setting.

Press UP or DOWN keys or touch << >> displayed for the DMX address desired.

Press ENTER key to confirm.

Press the left key to go back to the upper level menu.

•DMX WIRELESS CONTROL (If the projector has the function)

The projector has wireless control function with wireless receiver module and antenna for remote control.

The setup of it is below:

1. Enter into the projector's menu. Select the menu "Config Settigns" via the bottoms of **UP** and **DOWN**
2. Select **DMX control Mode**---- **Wireless First** (Note: do not select **XLR ONLY**),then wireless indication in the front

panel will be on, meaning wireless control function is activated.

Only after the projector is linked with a transmitter, can it receive wireless signal sent by the transmitter. If unlinking it, Press “Enter” for the menu of Unlink Wireless under the upper level menu of Config Settings .

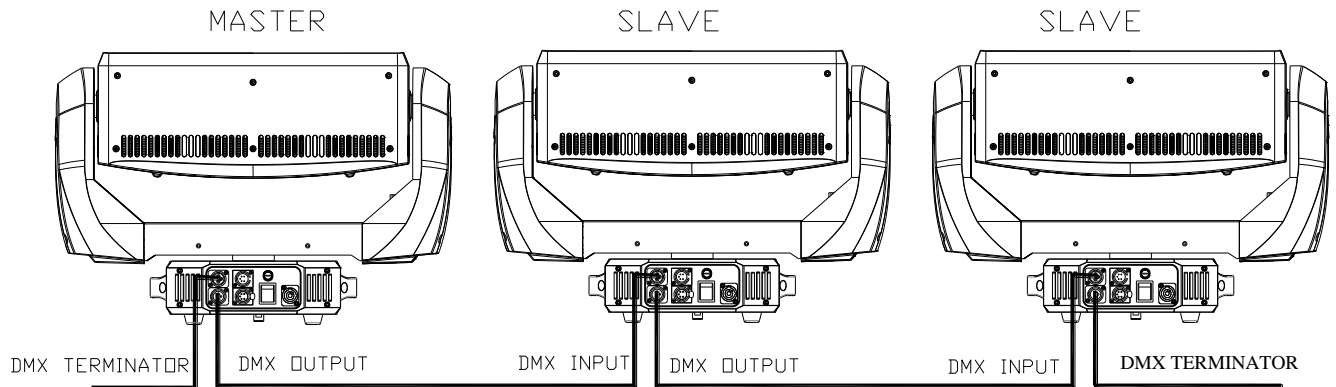
.STAND-ALONE MODE

Operate the projector without connecting with a controller, enable the master mode through the operation panel, the projector will run in Stand-Alone mode automatically.

DMX address can be set at any number within 512.

.MASTER/SLAVE MODE

Many projectors can run synchronously in the Master/Slave mode by linking them with each other. First, connect the first projector ’s DMX output to the second projector ’s DMX input using XLR-XLR control cable and then connect the second projector ’s DMX output to the third projector ’s DMX input, and so on until all projector are connected in this way. Eventually connect the last projector ’s DMX output to a DMX terminator. Set 1st projector as the master and others are Slaves.



6. OPERATION MENU

| 1 st level menu | 2 nd level menu | 3 rd level menu | 4 th level menu |
|----------------------------|----------------------------|----------------------------|----------------------------|
| DMX Settings | DMX Address | 000 - 512 | |
| | DMX Mode | Standard | |
| | | Extended | |
| | | Short | |
| | Loss of DMX | Black Out | |
| Hold Last | | | |
| | View DMX Values | | |
| Reset | Pan/Tilt Reset | | |
| | Head Reset | | |
| | ALL Reset | | |
| Config Settings | Master Slave | Master | |
| | | Slave | |
| | Display Mode | On Always | |
| | | Off After Delay | |
| | Display Dimming | 001 - 010 | |
| | Display Invert | Normal | |
| | | Inverted | |
| | Language Setup | English | |
| | | Chinese | |
| | Calibrate | | |
| DMX Signal | XLR First | | |
| | XLR Only | | |
| | Wireless Only | | |
| | Wireless First | | |

| | | | |
|-----------------|--|---|------------|
| | | Wireless To XLR | |
| | Un-Link Wireless | | |
| | Factory Setting | | |
| | PRM Transmit | | |
| | Clean Progra | | |
| Option Settings | Pan DMX Invert | OFF | |
| | | ON | |
| | Tilt DMX Invert | OFF | |
| | | ON | |
| | Pan Tilt Swap | OFF | |
| | | ON | |
| | Offset (Motor and Color calibration) (Input code 128) | Pan Offset | -127 ~ 127 |
| | | Tilt Offset | -127 ~ 127 |
| | | Zoom Offset | -127 ~ 127 |
| | | Red Offset | 128-255 |
| | | Green Offset | 128-255 |
| Blue Offset | | 128-255 | |
| Time Clean | (Input Code 088) | | |
| Defaults | | Motor and Color not going back default | |
| Information | Total Hours | | |
| | Temperature | Display Board | |
| | | LED 1 | |
| | | LED 2 | |
| | | Pan and Tilt | |
| | Software Version | Display Board | |
| | | Pan and Tilt | |
| | | Driver Board 1 | |
| | | Driver Board 2 | |
| | Electronic SN | | |
| | Status Inform. | Pan Encoder Pan Sensor Pan Over Temp Pan Fault Tilt Encoder Tilt Sensor Tilt Over Temp Tilt Fault ZOOM Sensor LED1 Temperat. LED2 Temperat. | |
| Test Modes | Auto Test | | |
| | Manual Test | Shutter | 000-255 |
| | | Dimmer | 000-255 |
| | | LED1 (LED1 Macro) | 000-255 |
| | | LED2 (LED2 Macro) | 000-255 |
| | | LED3 (LED3 Macro) | 000-255 |
| | | LED4 (LED4 Macro) | 000-255 |
| | | LED5 (LED5 Macro) | 000-255 |

| | | | | |
|--|------------------|------------------------------------|---------|---------|
| | | LED6 (LED6 Macro) | 000-255 | |
| | | ZOOM | 000-255 | |
| | | Pan | 000-255 | |
| | | Tilt | 000-255 | |
| | | XY Sp (Pan & Tilt Speed) | 000-255 | |
| | | X Run (Pan continual rotation) | 000-255 | |
| | | Y Run (Tilt continual rotation) | 000-255 | |
| Operation Mode | DMX Mode | | | |
| | User Memory | | | |
| | Preset Memory | | | |
| | Static Scene1-16 | Shutter | | 000-255 |
| | | Dimmer | | 000-255 |
| | | LED1 (LED1 Macro) | | 000-255 |
| | | LED2 (LED2 Macro) | | 000-255 |
| | | LED3 (LED3 Macro) | | 000-255 |
| | | LED4 (LED4 Macro) | | 000-255 |
| | | LED5 (LED5 Macro) | | 000-255 |
| | | LED6 (LED6 Macro) | | 000-255 |
| | | ZOOM | | 000-255 |
| | | Pan | | 000-255 |
| | | Tilt | | 000-255 |
| | | XY Sp (Pan & Tilt Speed) | | 000-255 |
| | | X Run (Pan continual rotation) | | 000-255 |
| | | Y Run (Tilt continual rotation) | | 000-255 |
| KeepT (Running time for each scene) | | 000-255(0- 20S) | | |

7. DMX PROTOCOL

| Short27 | Standard 31 | Extended 51 | function | DMX Value | Description |
|---------|-------------|-------------|----------|-----------|---|
| 1 | 1 | 1 | Strobe | 000-007 | No |
| | | | | 008-127 | Strobe from slow to fast |
| | | | | 128-135 | No |
| | | | | 136-177 | Fast closing and slow opening |
| | | | | 178-185 | No |
| | | | | 186-227 | Fast opening and slow closing |
| | | | | 228-235 | No |
| | | | | 236-249 | Random Strobe (For any lamp on any fixture) |
| | | | | 250-255 | No |
| 2 | 2 | 2 | Dimmer | 000-255 | Linear Dimmer from dark to bright |

| | | | | | |
|----|----|----|--------------------|----------|---|
| 3 | 3 | 3 | Color Temperature | 000 | No |
| | | | | 001-255 | Linear CT change from low to high(2700-10000K) |
| 4 | 4 | 4 | Color Macro | 000-007 | No |
| | | | | 008- 255 | Fading Rainbow from slow to fast |
| 5 | 5 | 5 | Colors | 000 | No |
| | | | | 001-255 | 255 colors |
| 6 | 6 | 6 | Area 1 Red | 000-255 | Linear change from dark to bright |
| 7 | 7 | 7 | Area 1 Green | 000-255 | Linear change from dark to bright |
| 8 | 8 | 8 | Area 1 Blue | 000-255 | Linear change from dark to bright |
| 9 | 9 | 9 | Area 1 White | 000-255 | Linear change from dark to bright |
| 6 | 6 | 10 | Area 2 Red | 000-255 | Linear change from dark to bright |
| 7 | 7 | 11 | Area 2 Green | 000-255 | Linear change from dark to bright |
| 8 | 8 | 12 | Area 2 Blue | 000-255 | Linear change from dark to bright |
| 9 | 9 | 13 | Area 2 White | 000-255 | Linear change from dark to bright |
| 6 | 6 | 14 | Area 3 Red | 000-255 | Linear change from dark to bright |
| 7 | 7 | 15 | Area 3 Green | 000-255 | Linear change from dark to bright |
| 8 | 8 | 16 | Area 3 Blue | 000-255 | Linear change from dark to bright |
| 9 | 9 | 17 | Area3 White | 000-255 | Linear change from dark to bright |
| 6 | 6 | 18 | Area 4 Red | 000-255 | Linear change from dark to bright |
| 7 | 7 | 19 | Area 4 Green | 000-255 | Linear change from dark to bright |
| 8 | 8 | 20 | Area 4 Blue | 000-255 | Linear change from dark to bright |
| 9 | 9 | 21 | Area4 White | 000-255 | Linear change from dark to bright |
| 6 | 6 | 22 | Area 5 Red | 000-255 | Linear change from dark to bright |
| 7 | 7 | 23 | Area 5 Green | 000-255 | Linear change from dark to bright |
| 8 | 8 | 24 | Area5 Blue | 000-255 | Linear change from dark to bright |
| 9 | 9 | 25 | Area5 White | 000-255 | Linear change from dark to bright |
| 6 | 6 | 26 | Area 6 Red | 000-255 | Linear change from dark to bright |
| 7 | 7 | 27 | Area 6 Green | 000-255 | Linear change from dark to bright |
| 8 | 8 | 28 | Area 6 Blue | 000-255 | Linear change from dark to bright |
| 9 | 9 | 29 | Area 6 White | 000-255 | Linear change from dark to bright |
| 10 | 10 | 30 | Zoom Lens | 000-255 | Linear Focus |
| | 11 | 31 | Zoom Fine | 000-255 | Focus in 16 bit |
| 11 | 12 | 32 | Pan | 000-255 | Pan 0-540 degrees |
| | 13 | 33 | Pan in 16 bit | 000-255 | Pan in 16 bit |
| 12 | 14 | 34 | Tilt | 000-255 | Tilt 0-270 degrees |
| | 15 | 35 | Tilt in 16 bit | 000-255 | Tilt in 16 bit |
| | 16 | 36 | Pan and Tilt Speed | 000-255 | Pan & Tilt speed from fast to slow |
| 13 | 17 | 37 | Continual Pan | 000 | Stop |
| | | | | 001-127 | Pan anti-clockwise rotation from slow to fast |
| | | | | 128-255 | Pan clockwise rotation from slow to fast |
| 14 | 18 | 38 | Continual Tilt | 000 | Stop |
| | | | | 001-127 | Pan clockwise rotation from slow to fast |
| | | | | 128-255 | Pan anti-clockwise rotation from slow to fast |
| 15 | 19 | 39 | Macros | 000-007 | NO |
| | | | | 008-255 | 30 Macros(If it works, color dimmer from LED1to |

| | | | | | |
|----|----|----|-----------------------------|---------|--|
| | | | | | LED6 won't work, but dimmer for all still works. |
| 16 | 20 | 40 | Macro: Color1 Dimmer | 000-255 | Linear adjustment from dark to bright |
| 17 | 21 | 41 | Macro: Color2 Dimmer | 000-255 | Linear adjustment from dark to bright |
| 18 | 22 | 42 | Macro: Speed adjustment | 000-255 | From slow to fast |
| 19 | 23 | 43 | Macro Color 1: Red Dimmer | 000-255 | Linear adjustment from dark to bright |
| 20 | 24 | 44 | Macro Color 1: Green Dimmer | 000-255 | Linear adjustment from dark to bright |
| 21 | 25 | 45 | Macro Color 1:Blue Dimmer | 000-255 | Linear adjustment from dark to bright |
| 22 | 26 | 46 | Macro Color 1: White Dimmer | 000-255 | Linear adjustment from dark to bright |
| 23 | 27 | 47 | Macro Color 2 :Red Dimmer | 000-255 | Linear adjustment from dark to bright |
| 24 | 28 | 48 | Macro Color 2: Green Dimmer | 000-255 | Linear adjustment from dark to bright |
| 25 | 29 | 49 | Macro Color2 :Blue Dimmer | 000-255 | Linear adjustment from dark to bright |
| 26 | 30 | 50 | Macro Color 2: White Dimmer | 000-255 | Linear adjustment from dark to bright |
| 27 | 31 | 51 | Control Function | 000-139 | Reserved |
| | | | | 140-149 | Pan and Tilt Reset(Stay for 3S) |
| | | | | 150-179 | Reserved |
| | | | | 180-189 | Head Reset (Stay for 3S) |
| | | | | 190-199 | Reserved |
| | | | | 200-209 | All Reset(Stay for 3S) |
| | | | | 210-255 | Reserved |

Note: Can the Color Temperature Channel work only after the corresponding color channel is in use.

8. TECHNICAL DATA

ELECTRICAL PARAMETER

Input Voltages : 100V~240V AC, 50/60Hz

Rated Power : 500W@230V

MAX. Current: 4.5A

Power Factor: PF>0.9

LIGHT SOURCE

LED:

OSRAMS: 60W RGBW LED(SMT), Four in One

Power:

60W,6pcs

Color temperature:

Linear change from 2700K to 10000K

Rated life 50000hrs

COLORS

Linear RGBW ,color mixing with unlimited colors, macros

DIMMER

0-100% linearly adjustable

STROBE:

Electronic strobe:0-25 F.P.S.(Pulse Strobe Macro)

OTHER EFFECTS:

Rainbow, Wash, Beam, multiple macros

ROTATION

Pan 0-540 degrees+ continual rotation, Tilt 0-270 degrees + continual rotation, auto-positioning

BEAMANGLE

Beam angle(1/2 peak) $\theta_{1/2}$: Linear Focus $3^{\circ} \sim 60^{\circ}$

CONTROL:

International Standard DMX512 signal, 5 pin DMX512 interfaces

27channels in short mode, 31channels in standard mode, and51 channels in extended mode.

Master/slave mode

Stand-alone mode, Preset mode, Self test mode, Single Scene mode

DMX wireless receiver, Optional DMX512 wireless transmitter

OTHER FUNCTIONS:

Pixel Control, each color of RGBW of a LED lamp controllable .

Color touch screen and its brightness adjustable

Wireless Control(Optional)

Pan and Tilt Speed adjustable and Pan and Tilt can be inverted

Firmware upgraded via DMX interface and XLR cable,

Over temperature protection

Total hours, DMX channel number, software versions are displayed and display inversion

HOUSING:

High temperature ABS, IP20

WEIGHT:

Net weight: 14.2Kg

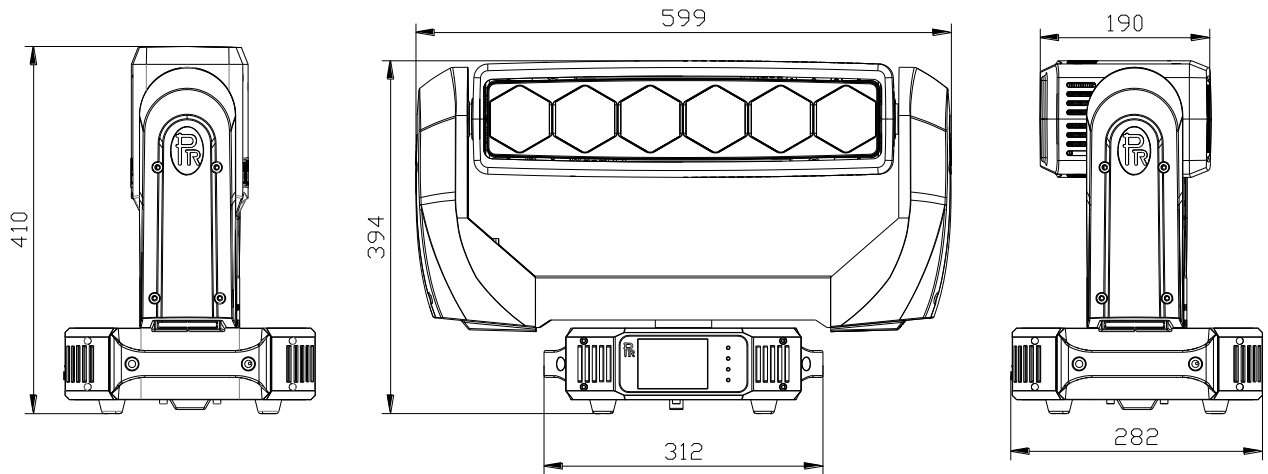
Gross weight: 65.2Kg in flight case(2pc/case) and accessories

17.6Kg in carton(1pc/ctn) and accessories

AMBIENT TEMPERATURE

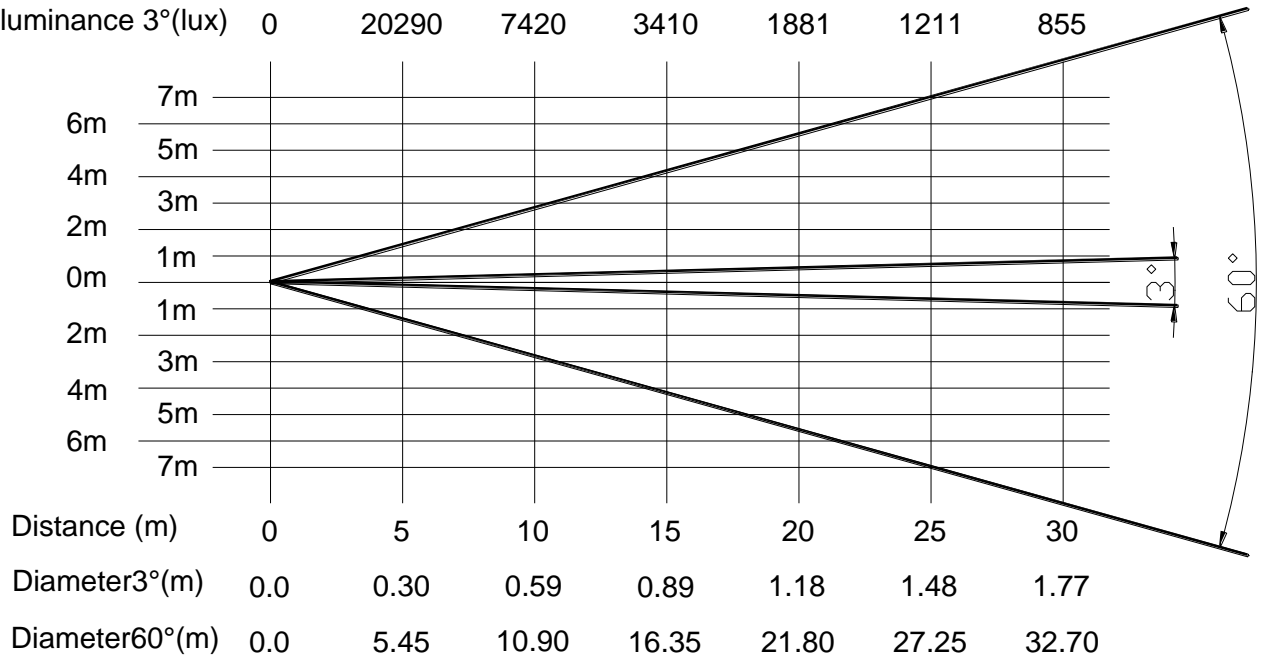
Maximum ambient temperature: 45 °C

SIZES:

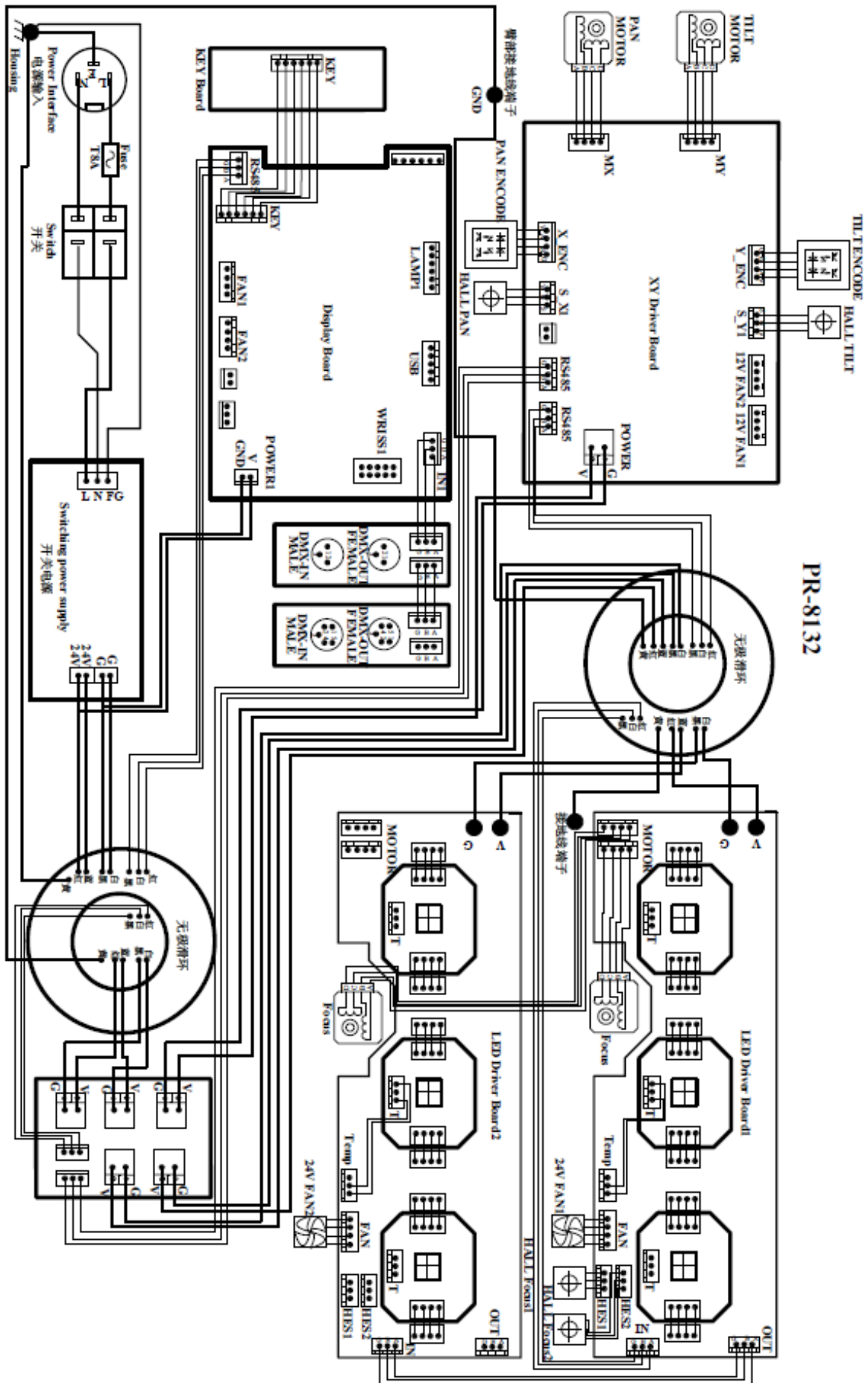


LIGHT OUTPUT :

| | | | | | | | |
|----------------------|---|-------|------|------|------|------|-----|
| Illuminance 60°(lux) | 0 | 635 | 181 | 95 | 55 | 38 | 24 |
| Illuminance 3°(lux) | 0 | 20290 | 7420 | 3410 | 1881 | 1211 | 855 |

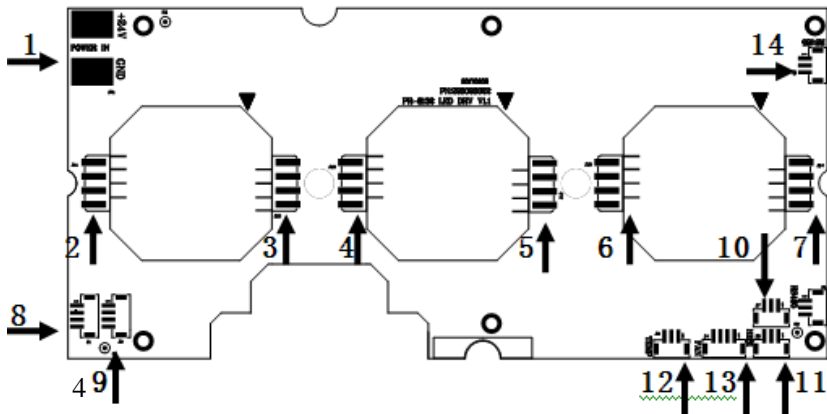


9. CIRCUIT DIAGRAM AND PCB CONNECTIONS
 .CIRCUIT DIAGRAM



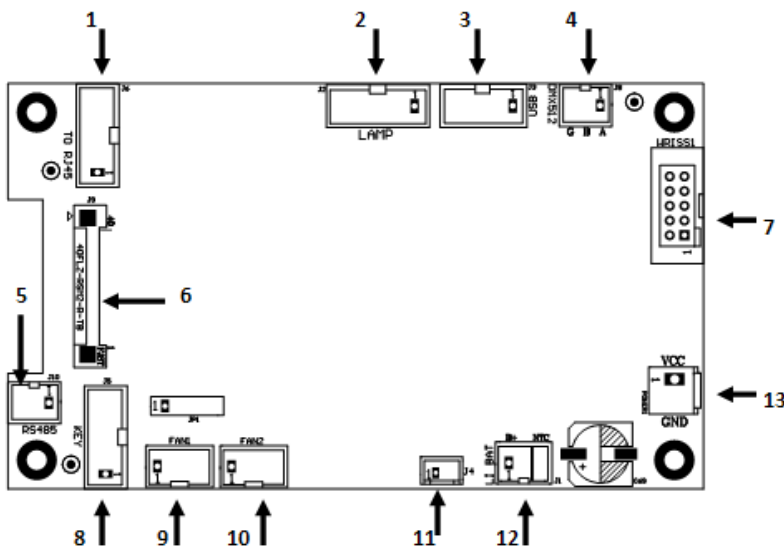
.PCB CONNECTIONS

1. LED Driver Control Board of PR-8132



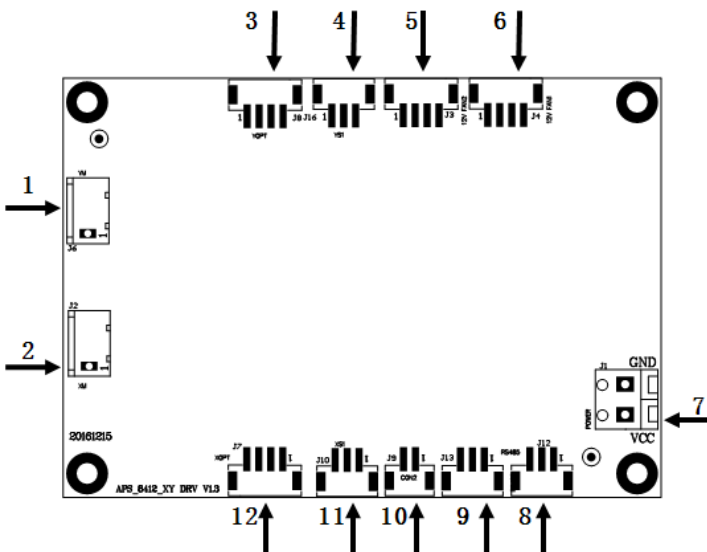
| NO | Name |
|--------|------------------------------------|
| 1 | Soldering location for power input |
| 2-7 | LED driver output |
| 8, 9 | Focus motor output |
| 10, 11 | Focus sensor interface |
| 12 | LED lamp board thermal sensor |
| 13 | 24vfan interface |
| 14, 15 | 485 signal interface |

2. Main board of PR-8132



| NO | Name |
|---------------|----------------------|
| 1,2,3 | Reserved |
| 4 | DMX512 signal input |
| 5 | 485 signal output |
| 6 | TFT screen interface |
| 7 | Reserved |
| 8 | Key interface |
| 9, 10, 11, 12 | Reserved |
| 13 | Power Input |

3. Pan & Tilt Board of PR-8132



| NO | Name |
|------|--------------------------------|
| 1 | Pan output |
| 2 | Tilt output |
| 3 | Tilt Optical coupler interface |
| 4 | Tilt Sensor |
| 5, 6 | Reserved |
| 7 | Power Input |
| 8, 9 | 485 signal |
| 10 | Reserved |
| 11 | Pan Sensor |
| 12 | Pan Optical coupler interface |

10. COMPONENT ORDER CODES

| NO. | NAME | CODE NO. | QTY. | REMARK |
|-----|---|-----------|------|---|
| 1 | STEPPER MOTOR | 030040233 | 2 | |
| 2 | STEPPER MOTOR | 030040260 | 2 | 14HA4212-105NE |
| 3 | THE SUPPORT FOR MIXING ROD OF PR-8132 | 060400028 | 6 | |
| 4 | LENS IN THE SHAPE OF HEXAGON OF PR-8128 | 071100120 | 6 | φ78.5×24mm PMMA |
| 5 | FROST FILTER FOR MIXING ROD OF PR-8128 | 080090119 | 6 | φ15×1mm GLASS |
| 6 | MIXING ROD OF PR-8128 | 080090120 | 6 | 45mm GLASS, MAXIMUM TEMPERATURE 650 DEGREES |
| 7 | POWER SUPPLY | 192010208 | 1 | 100-240VAC/24V 25A 600W |
| 8 | PR-8132 LED DRIVER BOARD 1 | 230060688 | 1 | |
| 9 | PR-8132 LED DRIVER BOARD 2 | 230060723 | 1 | |
| 10 | PR-8132 MAIN BOARD | 230060697 | 1 | |
| 11 | PR-8132 PAN &TILT BOARD | 230060698 | 1 | |
| 12 | PR-8132 LED LAMP BOARD | 230060700 | 6 | |
| 13 | BELTS | 290151437 | 1 | 627-3M-8 |
| 14 | BELTS | 290151322 | 1 | 531-3M-9 |

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