

产品规格书

Product specification

RGB 云鳞片

RGB Scalelike Matrix

www.jad-leds.com

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Product name: RGB Scalelike Matrix

Product mode: JAD-MT03

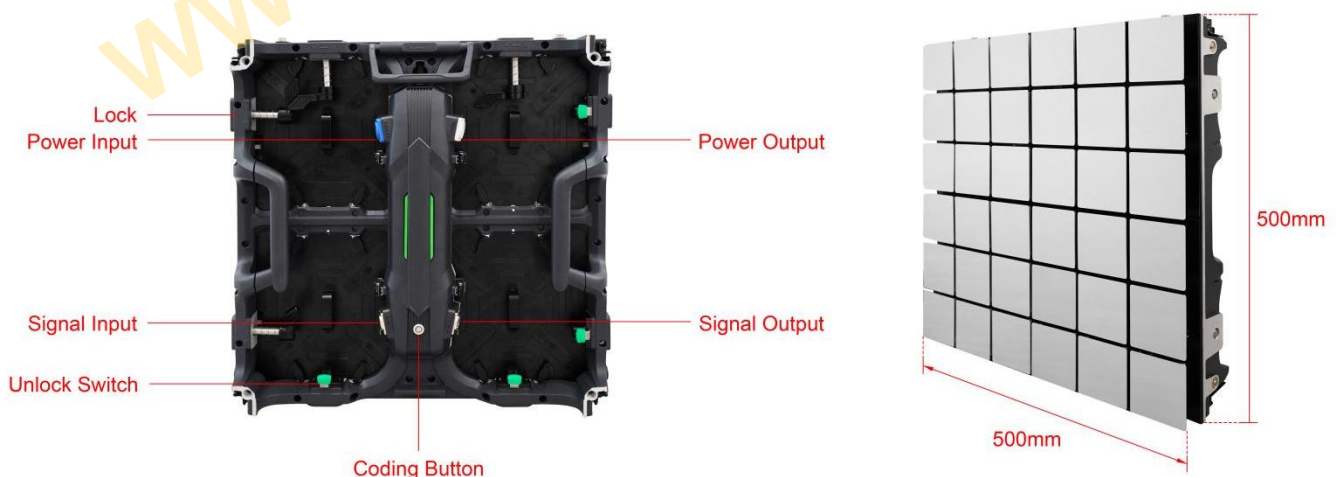
Overview:

The RGB Scalelike Matrix are designed with a built-in controller. The control module is built in the cabinet. It is controlled by Art-Net signals and can be used in cascades. It has a 60°floating angle, and the speed changes with the change of curvature. The lens is made of aluminum frosting process, which is not easy to get dusty. It is not easy to leave fingerprints and is easy to clean. RGB color led are installed on both sides; the Scalelike Matrix are installed by cabinet splicing, which is simple and convenient. It is mainly suitable for scenes such as art creation, shopping malls, exhibitions and night tours, adding charm and atmosphere with unique effects.

Product picture:



Each Scalelike Matrix cabinet can be installed with 4 Scalelike Matrix modules;



◆ Product features:

- 110-220V wide voltage power supply, Art-Net signal input;
- Built-in controller design, simple and convenient control;
- Automatic calibration (reset) after power on;
- One-click coding button to automatically complete address coding;
- The 60-degree floating angle can be controlled arbitrarily, and the speed changes with the speed of the push rod;
- Art-Net signal control, multiple devices can be connected in series;
- Maximum 254 cabinets can be cascaded;
- The scalelike Matrix can rotate 90° to switch direction;
- Magnet + lock double installation protection, the structure is more stable;
- Cabinet installation, better area coverage effect;
- Can work with ARTNET software (MAD-SHOW, MADRIX) and supports offline use;
- Support online upgrade;

◆ Parameter list

Parameter	Unit	Min	Typical	Max
Working voltage(DC)	V	110	—	220
Power	W	—	—	180
LED type	—	—	3030RGB	—
LED lifetime	H	—	50000	—
Number of cascade units	PCS	—	—	254
Control mode	—	—	Art-Net	—
Channel	—	—	RGB	—
Cabinet weight (including Scalelike Matrix light)	KG	—	10	—
Cabinet size (including Scalelike Matrix)	MM	—	500*500*110	—
Number of Scalelike Matrix per Cabinet	PCS	—	36	—
Product color	—	—	Black	—
Product material	—	—	PC+Aluminum	—

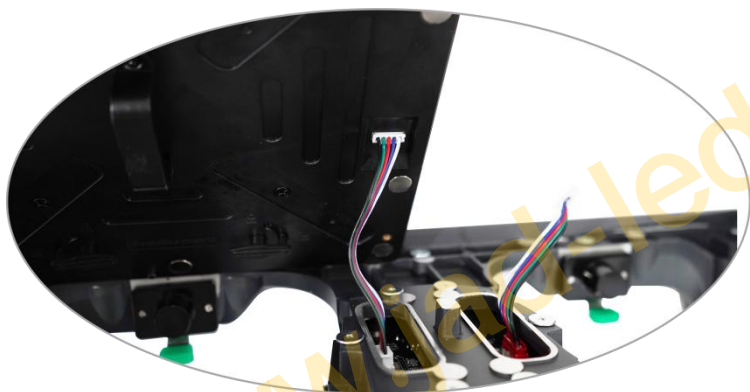
◆ Control channel list

Channel	Function	Functional Description
Channel 1	R	Indicates the red in the effect, 000 is the original effect, 255 indicates all red in the display effect
Channel 2	G	Indicates the green in the effect, 000 is the original effect, 255 indicates all green in the display effect
Channel 3	B	Indicates the blue in the effect, 000 is the original effect, 255 indicates all blue in the display effect
Channel 4	Control angle and speed	Control angle: 0-255 values are evenly distributed with a 60° rotation angle; Control speed: the speed changes according to the change rate of 0-255 value;

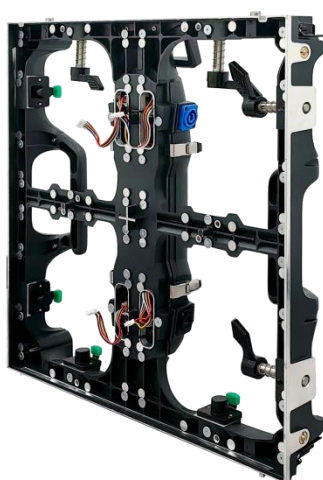
◆ Scalelike Matrix Cabinet installation;

The action module has a magnetic suction + lock to double fix the box

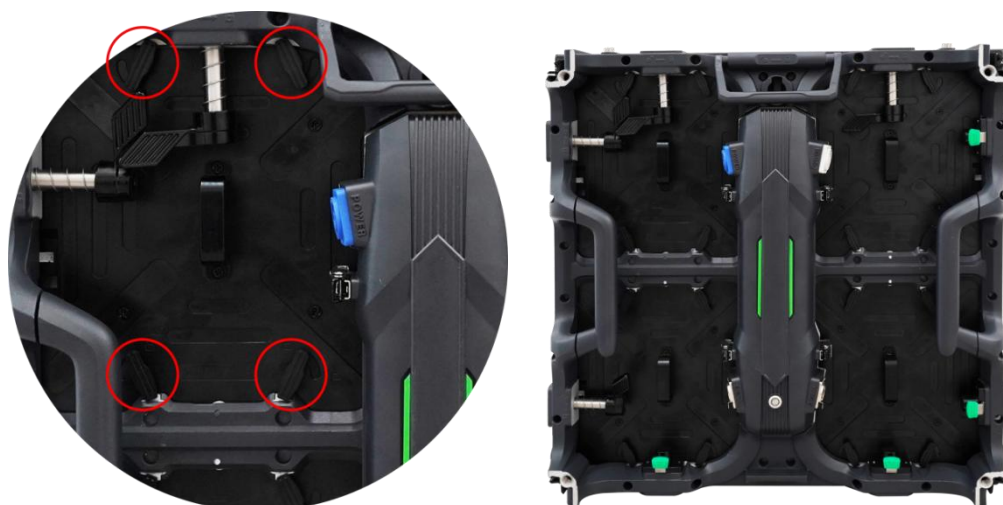
Connect the signal output port of the cabinet with the signal input port of the action module ;



The back of the action module is magnetically fixed close to the cabinet;



Follow the instructions to turn the lock on the back of the Scalelike Matrix to complete the fixed installation;



Install and unlock the action module on the front

You can install and unlock the action module through the lock buckle according to the picture tips above.
Or you can install and unlock it on the front of the Scalelike Matrix by pressing and rotating the screw to control the lock buckle;



After pressing the screw, turn it clockwise to lock and counterclockwise to unlock;

◆ Rotate the action module to switch the action direction

Remove the screws on the back of the module, Separate the action module and rotate the module 90°;



Repeat the above steps of installing the cabinet with magnetic suction and lock to realize the direction of the rotating action module;



◆ Cabinet splicing



After aligning the cabinet, press the lock into the cabinet and turn the lock to fix according to the direction of the lock;

Press the green unlock switch to open the lock;

◆ Scalelike Matrix cabinet wiring



Power cable cascading: the output end of the previous cabinet is connected to the input end of the next cabinet to complete the power cascading; (The power cable can connect max 12pcs cabinets together)



Signal cable cascading: the signal output of the previous cabinet is connected to the signal input of the next cabinet to complete the signal cascading;



Signal Input



Signal Output

Note: The left side of the cabinet is the signal input port, and the right side is the signal output port. Please connect them correctly.

◆ Connection Scalelike Matrix

The Scalelike Matrix cabinet has a built-in controller. Just need to connect the computer network cable with the signal input port of the cabinet;



◆ Scalelike Matrix write code and test

Button function	Function description
Click	To check whether the cabinet can work normally
Double-click	Completing coding for one cabinet
Press and hold for 3 seconds	The button will change from green to red. Release the button then will complete codin for all cabinets.
Press and hold for 10 seconds	Reset to factory setting

◆ Notice

1. Pay attention to the use environment which should be waterproof and moisture-proof;
2. There is high voltage in the controller, non-professionals should not disassemble the machine, otherwise the consequences will be at your own risk;
- 3.The network cable interface cannot be connected to a POE switch or a Gigabit switch,otherwise it will cause the network cable port to be overloaded and the cabinet will be damaged;
4. The company does not provide warranty for man-made damage and natural damage;
5. If abnormalities are found during use, contact the manufacturer in time;