

# Receiving Card M-RC32A Specs

## I . Product Introduction

M-RC32A is a Universal Receiving Card of Mooncell, with the following features :

1. Generally, the card has 24 sets of RGB output, with 12 HUB75E interfaces.
2. the maximum pixel that one can could load is 64K% 2CEA orange to ft and data could load 8K pixel.
3. Input voltage: 3.5V--6V.
4. High Refresh rate, high brightness and high gray grade with universal IC(Driver).
5. Dual backup for the network Cable.
6. Supporting brightness, color correction by single pixel, without reducing the load cassette receiving area.
7. Variety of Drivers are supported. It supports PWM IC, Point by point Detecting IC and Conventional IC.
8. Supports receiving card stored picture settings before hand.
9. Monitoring all the parameters of the receiving card.
10. Monitor the external environment.
11. Intelligent recovery function, swapping the receiving cards without loading all the data again.
12. Screen never black. Companied with Mooncell Intelligent Power Supply( two power, supplies as in parallel, equalized current, short-circuit protection) you will never ever get black screen.
13. It confirms to RoHs and CE-EMC standards.

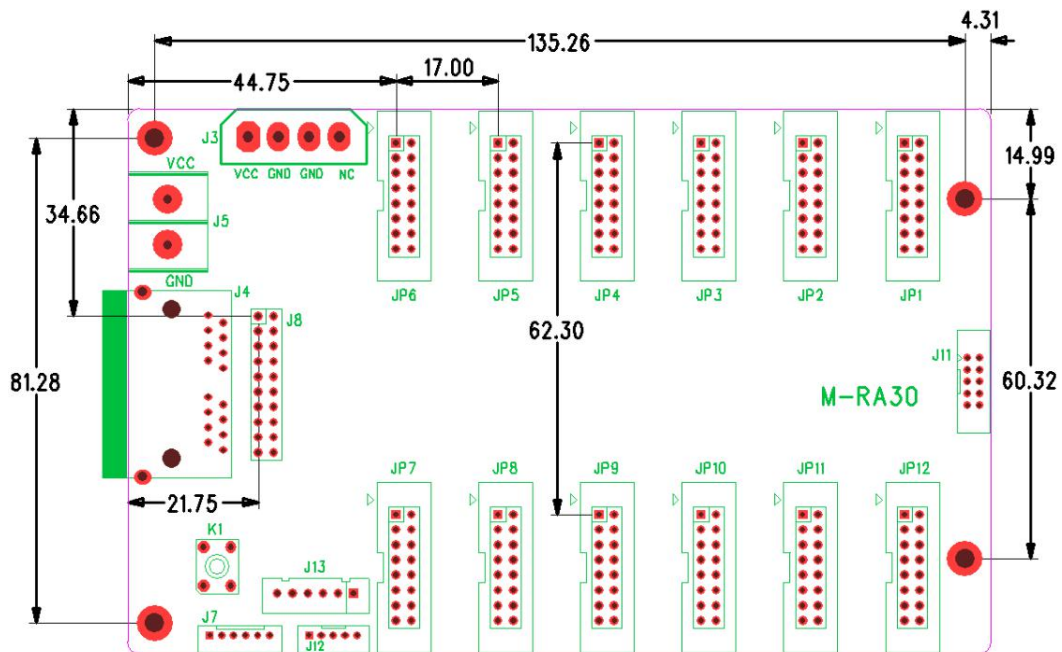
## II. The definition of the output port

Definitions of twelve 16P (JP1-JP12) Ports:

JP1-JP12

Pin No.	1	3	5	7	9	11	13	15
Definition	R0	B0	R1	B1	A	C	CLK	OE
Pin No.	2	4	6	8	10	12	14	16
Definition	G0	GND	G1	GND	B	D	LAT	GND

## III. Size and Connectors



### 1. J7 Definition

Pin No.	1	2	3	4	5	6
Definition	+5V	GND	SDA	GND	SCL	+5V

### 2. J12 Definition

Pin No.	1	2	3	4	5
Definition	GND/KEY-	KEY+	POW_LED(R)-	+3.3V/LED+	STA_LED(G)-

### 3. J13 Definition

Pin No.	1	2	3	4	5	6
Definition	KEY+	KEY-/GND	POW_LED+	POW_LED-	STA_LED+	STA_LED-

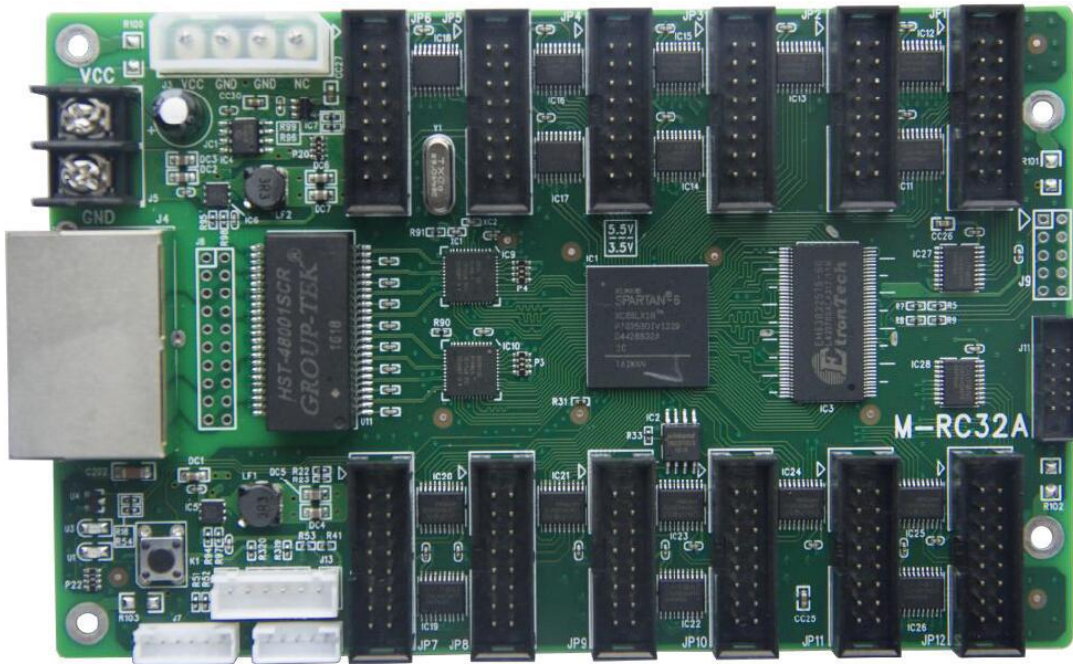
4. J8 Definition

Pin No.	1	3	5	7	9	11	13	15	17	19
Definition	A0-	B0-	C0-	D0-	NC	NC	A1-	B1-	C1-	D1-
Pin No.	2	4	6	8	10	12	14	16	18	20
Definition	A0+	B0+	C0+	D0+	NC	NC	A1+	B1+	C1+	D1+

5. J3 Definition

Pin No.	1	2	3	4
Definition	VCC	GND	GND	NULL

IV. Product Picture

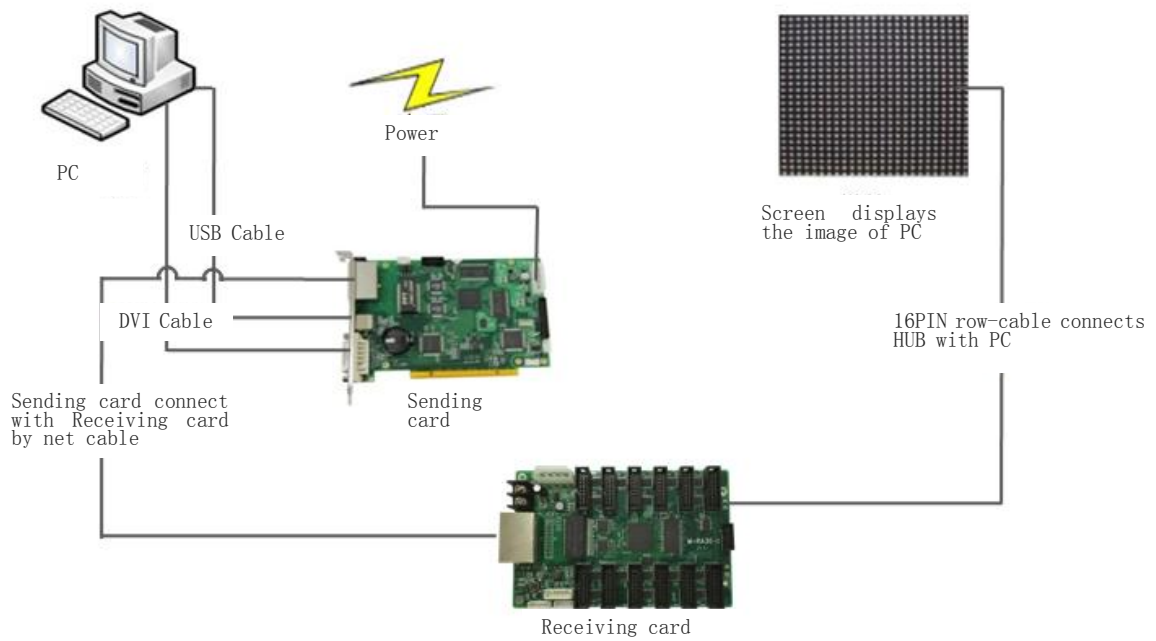


## V. Technical Parameters

Performance Options	Typical Value	Maximum Value
Supported Screen Module	Single Color/ Dual Color/ Full Color/Virtual Pixel	
Supported Receiving Card Quantity( Single Network Port, Cascading)	<100	240
Areas of Pixel Loaded for One Single Card	128*128	96K
RGB Output Group of single receiving card	24	24
Lines of One Set of RGB Driver	1/2/4/8/16	1~16
Optical Fiber Transmit Distance	Multi-mode Optical Fiber: 500m; Single-Mode Optical Fiber: 10km	
Some other Performances	10b Video Source, OE Protection, LED Display Self-Detecting	
Working Current	0.6A	1.0A
Protecting Current	3.0A	
Working Temperature	-10°C - 65°C	

Extreme Working Temperature	-20°C - 75°C
Working Humidity (%)	0%-95%

### VI. Connection



### VII. Packing Content

1. One Receiving Card, Anti-static Bubble Bag
2. 100PCS as in one Carton

## **VIII.Attentions**

1. Please follow the Instructions for the standard Operation.
2. Professionals are needed to install and test the product, and it has to be anti-static.
3. Keep away from water.