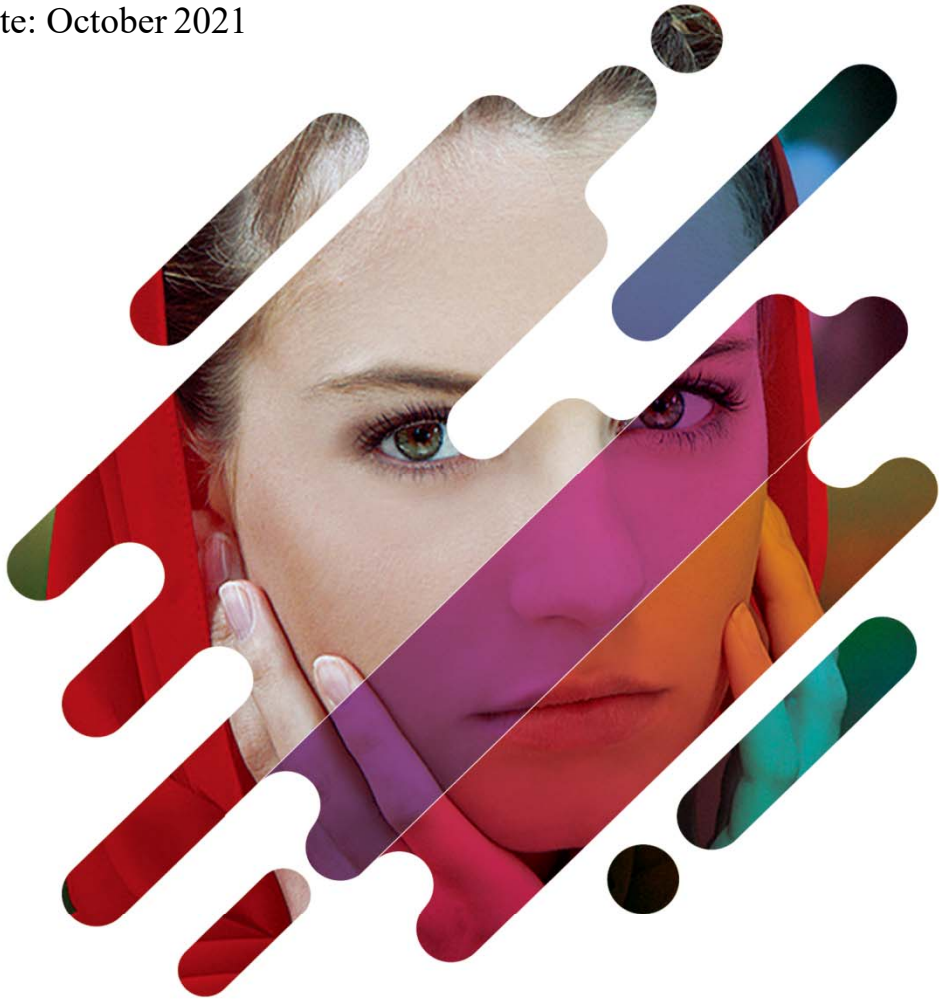
G616

LED receiver series

Version: v2.3

Release Date: October 2021



Specification

TEL 400 159 0808

Web:www.kystar.com.cn

Beijing KYSTAR Technology Co., Ltd.

Professional Ultra HD Video Display
Control system integrated solution and service provider

Version history

The version number	Change details	Publish time
V1.0	The first version was released	2021. 06.12
V2.1	Modify the document device description	2021. 07.08
V2.3	Modify the cover page	2021.10.25

Overview

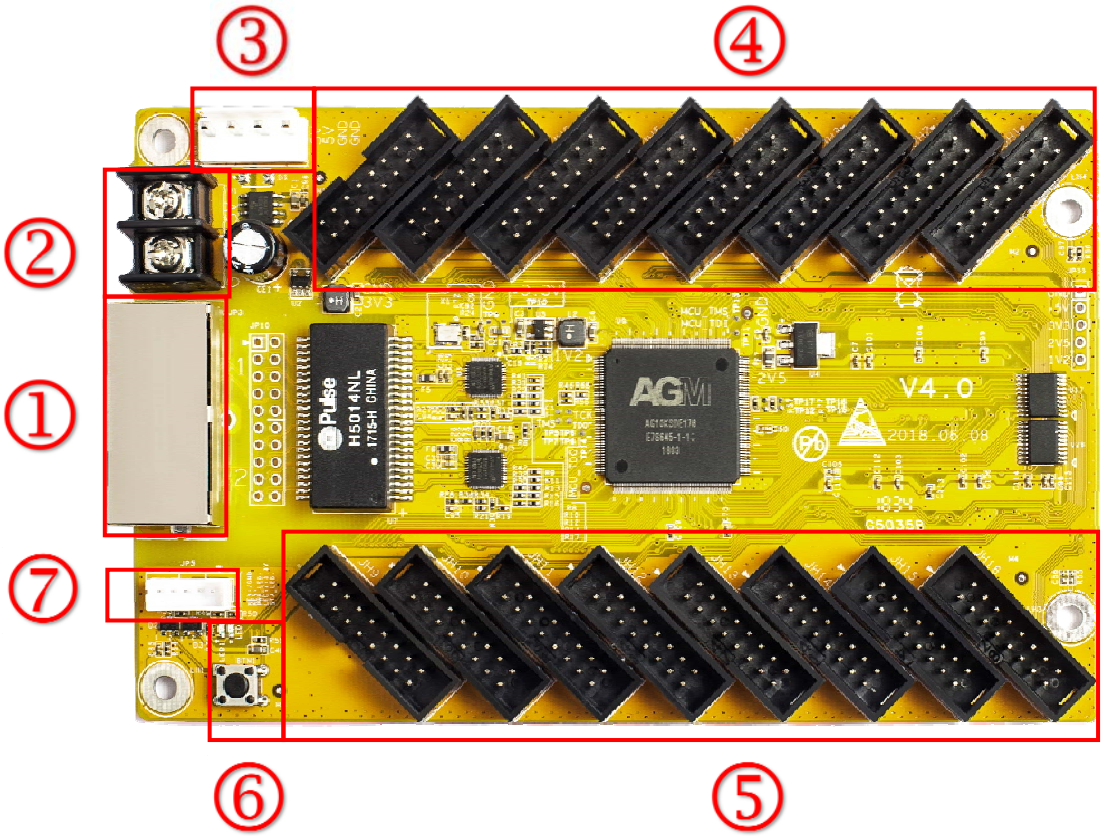
The G616 receiving card of the Kystar Gold Card series is an important part of the main control system of the LED large screen, receiving data from the transmitting card and decoding Converted into a module control signal, it is used with the transmission card to form the main control system of the LED large screen. Adopt the industry's top design technology, in line with international and industry standards.

The gold card receives the G616's unique color transformation technology, which makes the face skin color more realistic; the unique arbitrary frequency multiplication technology, the mobile phone shoots without scanning lines.

Features

- A single card has 16 standard interfaces and outputs 32 sets of RGB data.
- Support a variety of general-purpose chips, PWM chips, dual latch chips.
- Unique arbitrary frequency doubling technology, the phone shoots without scanning lines.
- Unique color transformation technology makes the face complexion more realistic.
- Support high gray, high brush, low brightness high grayscale display.
- The details are handled perfectly to eliminate problems such as dark, low gray and red, ghosting and so on.
- Supports point-by-point correction of brightness and chromaticity, provides correction of low gray compensation, and ensures low gray effect.
- Support one-click read back profile information function.
- Support one-click repair function, card replacement worry-free.
- Supports real-time detection of network communication status and detection of network cable connection sequence.
- Support any extraction point, easy to set up a variety of special-shaped screens.
- Program write protection, upgrade power failure worry-free.

Panel description



Serial number	Function description
①	Two Gigabit ethernet ports, indistinguishable between input and output
②	Terminal blocks are available with 5V voltage, 5V and GND
③	4P in-line connectors available with 5V voltage, 5V and GND
④	16P cable port JP1 to JP8 (right to left).
⑤	16P cable ports JP9 to JP16 (left to right).
⑥	LED signal status indicator, test button
⑦	JP5, docking LCD color screen shows the operating status of the receiving card

Port specifications

The sixteen 16P (JH1-JH16) ports of the output port are defined as follows: JH1-JH16								
Pins	1	3	5	7	9	11	13	15
definition	R1	B1	R2	B2	A	C	CLK	OE
Pins	2	4	6	8	10	12	14	16
definition	G1	GND	G2	E	B	D	LAT	GND

JP5 Definition					
Pins	1	2	3	4	5
definition	STA_LED	LED+/+3.3V	PWR_LED-	KEY+	KEY-/GND

Description: The E signal, which can be used as a blanking control pin when the display scan is less than 16 sweeps, and as an E signal when greater than 16 sweeps.

LED status	
LED1	The power indicator is red, the solid light means that the power supply is normal, and
LED2	The device operation indicator is green, flashes when there is a signal input, and is

Specification of the whole machine	
Input power	3.5-6V 0.6-1A
Operating temperature	-10℃ - 70℃
Operating Humidity(%)	0%-95%
Supported screen types	Full color real pixels
The number of cascaded receiving cards for a single network cable	<200
A single receive card comes with a pixel area	128*1024, max 130,000
The number of RGB data sets output by a single receive card	32
Operating current	0.6A - 1.0A
Limit operating temperature	-20℃ - 75℃

Accessories: Device dimension drawings

Unit mm