G608

LED LED receiving series

Version: V2.0

release date: July 2022

Specification

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

Version record

Version no	Change details	release time
V1.0	Published first edition	2021.07.12
V2.0	New upgrade, update product parameters, size maps, physical maps	2022.07.14

Overview

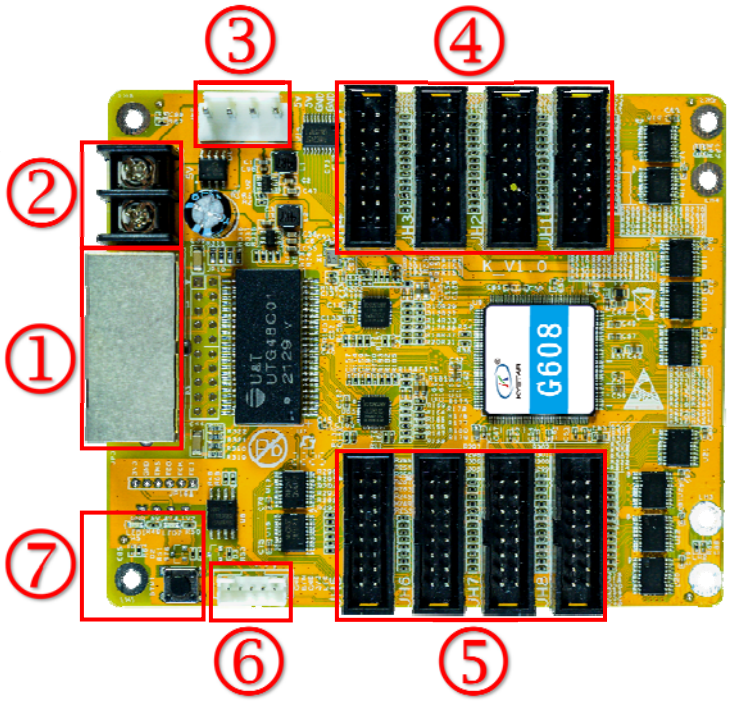
The G608 receiving card of the Kystar Gold Card series is an important part of the main control system of the LED large screen, which receives the data from the transmitting card and decodes it Converted into a module control signal, it is used with the transmission card to form the main control system of the LED large screen. Adopt the industry's top design technology, in line with international and industry standards.

The gold card receives the G608 unique color transformation technology, which makes the face complexion more realistic; the unique arbitrary frequency multiplication technology, the mobile phone shoots without scanning lines.

Functional characteristics

- A single card has 8 standard interfaces, outputs 16 sets of RGB data, and has a maximum load of 98K pixels
- Support high gray high brush, low light high gray display
- The detail handling is more perfect, which can eliminate the detail 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 the low gray display effect
- Support a variety of PWM chips, point-by-point detection chips and general purpose chips
- Supports one-click readback of all Configuration information
- 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 pumping point, easy to achieve a variety of special-shaped screens
- Program upgrades, power outage worry-free
- Unique color transformation technology makes the face complexion more realistic
- Unique arbitrary frequency doubling technology, the phone shoots without scanning lines.

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 JP6 (right to left).
⑤	16P cable port JP7 to JP12 (left to right).
⑥	JP5, connect LCD color screen display receiving card running status
⑦	LED signal status indicator, test button

Port specifications

The eight 16P (JH1-JH12) ports of the output port are defined as follows: JH1-JH8								
Pin	1	3	5	7	9	11	13	15
definition	R1	B1	R2	B2	A	C	CLK	OE
Pin	2	4	6	8	10	12	14	16
definition	G1	GND	G2	E	B	D	LAT	GND

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

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

LED status	
LED1	The power indicator is red, and always light mean the normal supply of power.the not on light mean no power
LED2	The device run indicator light green, flickering when there is signal input, it is not on light or always light when there is no signal

Specification of the whole machine	
Input power	3.5-6V 0.6A
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	512*512
The number of RGB data sets output by a single receive card	16
Operating current	0.6A - 1.0A
Limit operating temperature	-20℃ - 75℃

Accessories: Device dimension drawings

Unit mm