

## Q7 HD Sender

### Overview

Q7 HD Sender is specially designed for large LED displays. Q7 supports DVI and HDMI video input, the maximum input resolution of 2560 \* 1536 pixels, and contains four Ethernet port outputs. So that a single Q7 can support the large LED displays with any resolutions that the total quantity of pixels is less than 2621440 pixels, e.g. 2560\*1024, the width up to 2560 pixels, or the height up to 1536 pixels.

Q7 also supports audio inputs, which is used to transmit the audio to the Multifunction Card, so that the audio can be output on the side of the display.

Meanwhile, Q7 also has many useful functions, such as playing the default image on display when there is no signal, on-board test function, on-board temperature detection function, etc.



### Features

- Single card supports a maximum resolution of 2560 \* 1536 pixels, such as 1920\*1080, 1920\*640, 1600\*768, 1280\*1024, 1280\*720, 1024\*768, etc.
- Four Gigabit Ethernet ports output. Each port can control an area within 655360 pixels.
- Single card supports LED display with any resolutions that the total quantity of pixels is less than 2621440 pixels, e.g. 2560\*1024, 1700\*1536, the width up to 2560 pixels, or the height up to 1536 pixels.
- Supports audio input.
- USB interface for controlling and configuring.
- Supports standard network transmission equipment, such as Fiber Converter, Gigabit Switch.
- Supports commissioning and aging test the whole LED display without PC.
- Supports adjusting brightness of 16 levels by the buttons on the front panel, that

the adjustment can be effective immediately and saved automatically.

- Supports Time Management Function that can follow up and manage the project process.
- No need to configure the display again when you replace the receiving cards or cabinets.
- Supports presetting images that can be showed on the LED display if there is no video input.

## Specifications

<b>Input Interface</b>	
Video input	DVI/HDMI , Connect to computer graphics or video processor
Input resolutions	support resolutions up to 2560*1536, such as 1920*1080, 1920*640, 1600*768, 1280*1024, 1280*720,1024*768, etc.
Frame rate	60 Hz
Audio input	support
<b>Output Interface</b>	
Ethernet port output	Supports 4 Gigabit Ethernet ports output. Each port can control an area within 655360 pixels
Output resolutions	Any resolutions that the total quantity of pixels is less than 2621440 pixels can be supported, e.g. 2560*1024, the width up to 2560 pixels, or the height up to 1536 pixels.
Output area	Can be set to output any location from the input resolution. (Within 2621440 pixels).
Transmission distance	UTP cable: Maximum 140M CAT6 cable: Maximum 170M Fiber Converter : distance unrestricted
Receiving card	5A/5A-S/5A-F/5A-Q/5A-Pro/5A-Mini
Peripheral equipment	Multifunction Card, Fiber Converter, Gigabit Switch
<b>Physical/Electrical</b>	
Size	1 RU rackmount chassis (H: 44mm, W : 435 mm, D: 240mm )
Power input	100~240 VAC -50/60Hz
Power consumption	8W
Storage temperature	-50°C to 125°C
Operating temperature	-25°C to 85°C
Antistatic property	2KV
Weight	1.5kg
<b>User Control Functions</b>	
Brightness Adjustment	Support
Color Adjustment	Support
Test mode	Support
DVI video interface information detection	Support

Real-time adjustment parameters	Support real-time adjustment of Gamma, the control area, control parameters, etc.
Configure interface	USB. Configure the sending card by the software on computer.
Cascade connected	Support. For large display that have more than 2621440 pixels.
Background play	Support (extended mode)
Intelligent detection	Supports

Hardware



S/N	Name	Function
1	Power switch	Power switching
2	Power input	100~240 VAC -50/60Hz
3	USB	Setting interface
4	DVI	Video input
5	Ethernet port outputs	RJ45, Ethernet port outputs connect to the receiving card
6	Digital Tube Screen	Show brightness levels and test mode
7	Button	Adjust brightness and test mode