

# PRODUCT SPECIFICATION

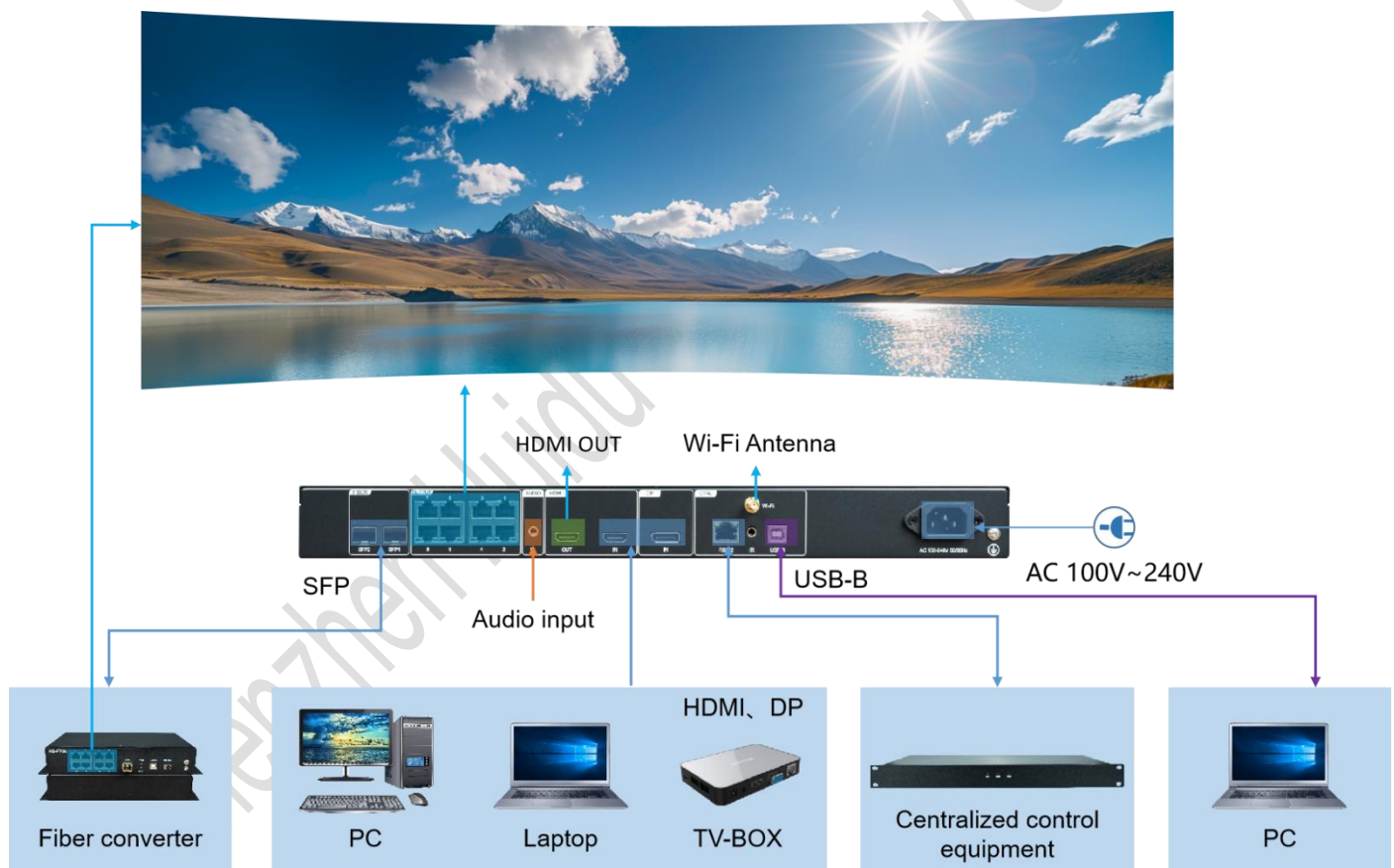
**4K Synchronous Sending Box  
HD-T08F**

V1.0

# 1. Product Overview

HD-T08F (T08F for short) is a transmitter with powerful video signal reception capabilities, supporting either DP1.4 or HDMI 2.0 source inputs. It supports a maximum of 5.2 million pixels, a maximum width or height of 8192 pixels, and a maximum of 4096x2160@60Hz 4K video signal input, which can greatly meet the configuration requirements of ultra-long, ultra-high and ultra-large screens on site. It supports 2 channel of 10G optical ports, which can be connected to receiving equipment via fiber optic cable to achieve long-distance signal synchronization; Integrated 8 Gigabit network port output, can be used in hotels, shopping malls, conference rooms, exhibitions, studios and other occasions that need synchronous playback, while T08F is equipped with Wi-Fi function as standard, supporting wireless control of PC software.

# 2. Connection Diagram



## 3. Product Features

### Input:

- Support 1 channel of DP 1.4, 1 channel of HDMI 2.0 signal input, two video signals can be switched arbitrarily;
- Support 1 TRS 3.5mm standard two-channel audio input, can be connected to a multi-function card to transmit audio.

### Output:

- 2 channel of 10G optical ports copy output, each optical port can transmit data from 8 Gigabit network ports and support signal transmission over long distances;
- Standard configuration of 8 Gigabit Ethernet ports, directly cascaded to the receiving card;
- 1 channel HDMI OUT, used for display screen program preview;
- The maximum loading capacity is 5.2 million pixels, the maximum horizontal support is 8192 pixels, and the maximum vertical support is 8192 pixels.

### Function:

- Support 4096x2160@60Hz synchronous signal input, pixel-to-pixel display;
- Standard Wi-Fi, support PC software wireless control;
- Support key black and freeze function;
- Support multiple units seamless splicing;
- Support infrared remote control (optional).

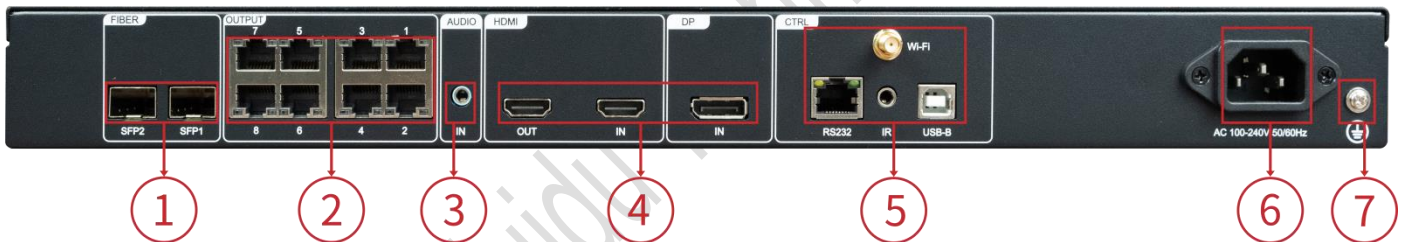
## 4. Appearance Description

### HD-T08F Front panel:



Button description		
No.	Name	Quantity
1	Switch	Control AC Power Input
2	IR	IR: infrared remote control receiver
	HDMI	Select HDMI video signal display
	DP	Select DP video signal display
	BLACK	One key black screen button
	FREEZE	Click to freeze screen
	REV	reserved

### HD-T08F Rear panel:

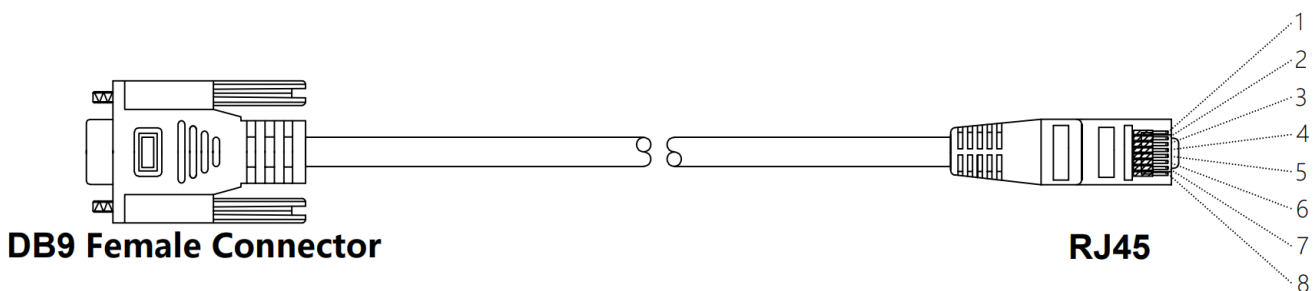


Input interface			
No.	Name	Quantity	Description
3	AUDIO IN	1	TRS 3.5mm two-channel audio input interface
4	HDMI	1	<ul style="list-style-type: none"> <li>HDMI 2.0 Input interface, interface form: HDMI-A</li> <li>Signal standard: HDMI 2.0 backward compatible</li> <li>Maximum input resolution: 4096x2160@60Hz</li> <li>Customizable resolution</li> </ul> Maximum width: 8192x1080@60Hz Maximum height: 1080x8192@60Hz
	DP	1	<ul style="list-style-type: none"> <li>DP Input interface, interface form: DP</li> <li>Signal standard: DP1.4 backward compatible</li> <li>Maximum input resolution: 4096x2160@60Hz</li> <li>Customizable resolution</li> </ul> Maximum width: 8192x1080@60Hz Maximum height: 1080x8192@60Hz
6	Power	1	AC 100 ~ 240V, 50/60Hz
7	GND	1	Connect to Ground

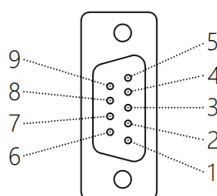
Output interface			
No.	Name	Quantity	Description
2	Gigabit Ethernet port	8	<ul style="list-style-type: none"> <li>Used to cascade receiving cards to transmit RGB data streams</li> <li>Network port 1 supports audio transmission</li> <li>Each network port controls 650,000 pixels(max width 4096,max height 2048)</li> </ul>
4	HDMI OUT	1	HDMIOUT, Used to monitor what's playing on the display
1	SFP	2	<ul style="list-style-type: none"> <li>Single-mode dual-core 10-gigabit optical port, used for ultra-long distance video signal transmission, SFP1, SFP2 copy output</li> <li>Each optical port controls 8 network ports</li> </ul>

Control interface			
No.	Name	Quantity	Description
5	USB-B	1	Connect to a computer for debugging the device
	RS232	1	RJ45 interface, Centrally controlled by connecting to a central control device
	Wi-Fi	1	Connect a Wi-Fi antenna
	IR	1	It is used to connect an external infrared remote control extension cable

\* The schematic diagram of the RS232 (RJ45 interface) to DB9 connection cable is as follows. It is optional. If you need it, please contact HuiduTechnology sales or technical support in advance.



**Line Ordering:**

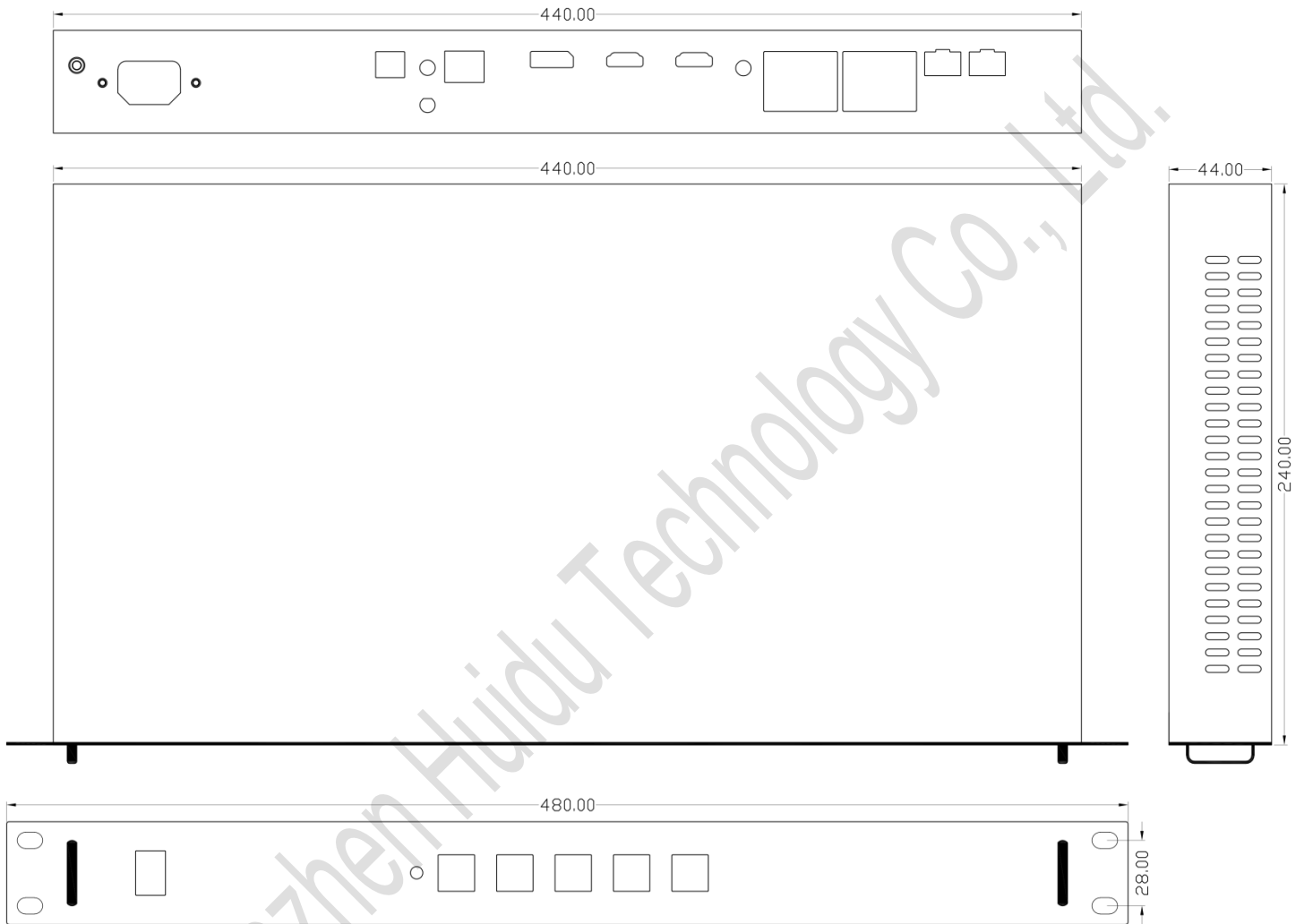


DB9 female connector

RJ45 connector

- |       |       |              |
|-------|-------|--------------|
| 2-RX  | ..... | TX-1(Red)    |
| 3-TX  | ..... | RX-2(Blue)   |
| 5-GND | ..... | GND-3(Black) |

## 5. Dimensions



## 6. Basic Parameters

Parameter item		Parameter value
Chassis specifications		1U standard
Electrical Specifications	Power supply	AC 100~240V 50/60Hz
	Power consumption	30W
Working environment	Working temperature (°C)	-20°C~60°C
	Working humidity (RH)	20%RH~90%RH (no condensation)
Storage environment	Storage temperature (°C)	-20°C~70°C
	Storage humidity (RH)	10%RH~95%RH (no condensation)
Equipment Specifications	Size	W×H×D/480mm×44mm×240mm
	Net weight	3.1KG
Packing specifications	Packing size	W×H×D/515mm×82mm×355mm
	Packing weight	4.1KG

### Illustrate:

1. Welcome to choose Huidu Technology products. There may be slight differences between the product pictures in the specifications and the actual appearance (including the number of holes in the product size diagram, etc.). If you have any questions, please contact technical support or salesperson for confirmation.