

Product specification

1. 主板型号Type:

HZ-HDMI070

2. 主题功能Function:

HDMI signal input to drive TTL-50P interface display touch screen

3. 技术参数Technical parameter:

信号输入Signal input: HDMI

信号输出Signal output: 24bits TTL

电源输入Power input: DC+12V

工作电流Work current: 350mA

信号输入分辨率Signal input resolution: HDMI max support 1080P

屏分辨率Resolution: 1024*600

4. 工作环境Work environment:

5.1 工作温度Work temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$

5.2 工作湿度Work humidness: 90%RH (There shall be no dew)

5. 保存环境Storage environment:

6.1 保存温度Storage environment: $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$

6.2 保存湿度Storage humidness: 90%RH (There shall be no dew)

6. 工艺要求Technology:

7.1 Electronic components, chips are environmentally friendly brands

7.2 PCB、SMT adopts environmentally friendly lead-free technology

7. 产品详细说明与使用范围The detailed description:

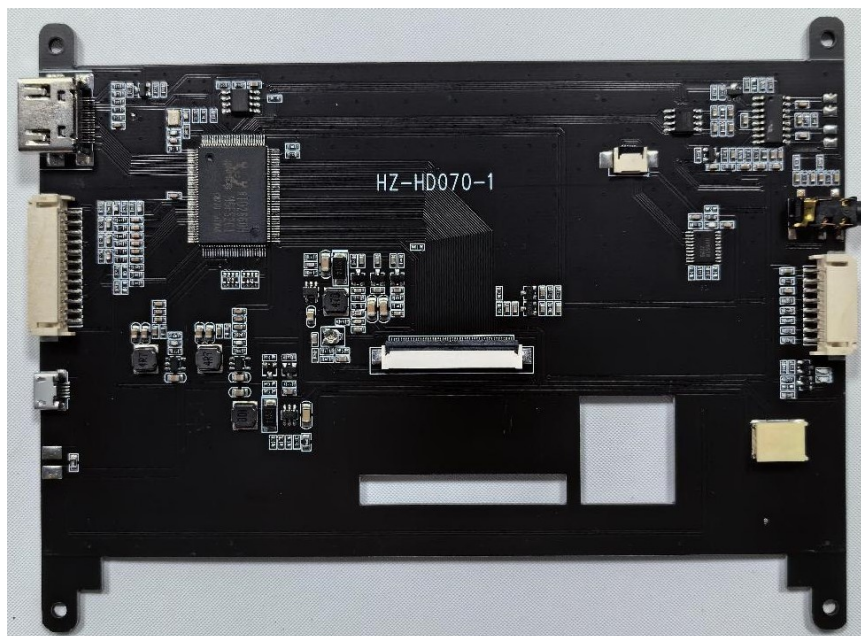
HZ-HDMI070 is a high-definition input with audio LCD industrial driver board, compatible with the market universal interface LCD screen and LVDS output.

HZ-HDMI070 support: HDMI input 1080P resolution; Automatic signal recognition function; No signal to switch off the backlight, no signal 5 seconds off; Support PWM backlight adjustment function; The key plate indicator is a two-color (red and green) LED, no signal shutdown is red, and there is a signal is green.

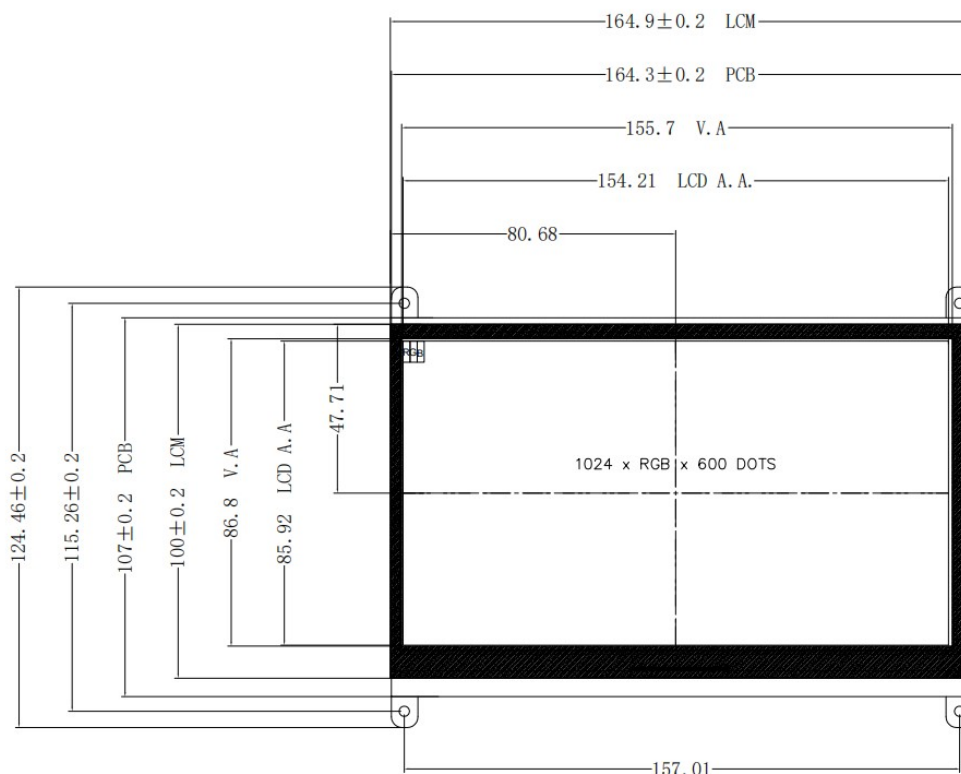
HZ-HDMI070 is not only small in size, but the components are placed on a flat surface, which is more convenient for customers to install.

Products are widely used in: vehicle, security, instrumentation, industrial industrial control, medical equipment, smart home, banking equipment, POS machine and other industries and fields.

8. 产品实物图Product drawing



9. 产品结构图Product structure drawing



10. 按键板接口定义 Key board interface 8PIN/Pitch2.0mm

Pin No.	Pin	Description	Note
1	+5V	按键板电源 Key board power +5V	
2	GND	按键板电源 Key board power GND	
3	LED	Two-color LED control IO	
4	POWER	开关机键 On-off key	
5	MENU	菜单键 Menu key	
6	SOURCE	切换通道键 Switch channel key	
7	+	菜单加键 Menu + key	
8	-	菜单减键 Menu - key	

11. 50P FPC interface (TTL signal output interface) FPC 50PIN/Pitch0.5mm

Pin NO.	Pin	Description
1-2	VLED+	Power for LED backlight (Anode)
3-4	VLED-	Power for LED backlight (Cathode)
5	GND	Power ground
6	VCOM	Common voltage
7	DVDD	Power for Digital Circuit
8	MODE	DE/SYNC mode select
9	DE	Data Input Enable
10	VS	Vertical Sync Input
11	HS	Horizontal Sync Input
12-19	B7-B0	Blue data
20-27	G7-G0	Green data
28-35	R7-R0	Red data
36	GND	Power Ground
37	DCLK	Sample clock
38	GND	Power Ground
39	L/R	Left / right selection
40	U/D	Up/down selection
41	VGH	Gate ON Voltage
42	VGL	Gate OFF Voltage
43	AVDD	Power for Analog Circuit
44	RESET	Global reset pin.
45	NC	No connection
46	VCOM	Common Voltage
47	DITHB	Dithering function
48	GND	Power Ground
49-50	NC	No connection

12. Touch Panel interface FPC 6PIN/Pitch0.5mm

Pin No.	Pin	Description
1	RESET	Reset pin
2	VDD	Analog power
3	GND	Ground
4	INT	Interrupt signal
5	SDA	I2C data signal
6	SCL	I2C clock signal

13. DC power socket is black conventional 2.0; HDMI is a conventional interface (national standard).