

Shanghai Goodview Electronic Technology Co., Ltd.

Specification

TC27H1



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Customer

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GoodView

File Type	☐ Management guide ☐ Program file ☐ Management standard ☒ Technical manual ☐ Standard class ☐ Inspection specification ☐ Inspection guide ☐ Inspection standard ☐ Guidance file ☐ Technical standard						
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Chapter I. Revision History

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Chapter II. Summary

2.1. Statement

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- Self-assemble, repair, or send the product to a maintenance shop not authorized or certified by Goodview for inspection and repair.
- Damages and faults caused by users who may or request a third party to modify, repair, alter specifications and install, add and expand parts that are not sold, authorized or approved by our company without authorization.
- Usage problems and faults caused by improper installation and setting of software by users themselves.
- Problems and malfunctions caused by computer viruses.
- Warranty identification label of our company is torn or unrecognizable.
- Other problems and faults caused by abnormal use.

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2.2. Safety instructions

Safety of Electrical

- ✧ In order to avoid serious damage caused by possible electric shock, please remove the power cord of the equipment temporarily from the power socket before moving the equipment
- ✧ When you want to add or remove the hardware device in the system, you must connect the data line of the device first and then the power line. If possible, unplug the power cord of the device before installing the hardware device.
- ✧ Before you connect or unplug any data lines from the module, make sure that all the power lines have been unplugged beforehand.
- ✧ Before using an extension card or an adapter card, we suggest that you seek for professional assistance first. These devices may interfere with the grounding circuit.
- ✧ Make sure that the voltage settings of the power supply have been adjusted to the voltage standard values used in the country/region. If you are not sure what the supply voltage value is in your area, please ask the local power company personnel nearby.
- ✧ If the power supply is damaged, please do not attempt to repair it by yourself. Please seek the help of professional technical service personnel.

.....Safety in operation

- ✧ Before you install modules and add hardware devices, be sure to read the relevant information provided in this manual in detail.
- ✧ Before using the product, make sure that all the data lines and power lines are connected correctly. If you find any defects, please contact Goodview as soon as possible.
- ✧ In order to avoid electrical short circuit, make sure that all unused screw, paper clip and other parts are put away, and do not leave them on the module or in the equipment.
- ✧ Dust, moisture and drastic temperature changes will affect the life of the motherboard, so please try to avoid placing them in these places.
- ✧ Do not place the equipment in a place that is easy to shake.
- ✧ If there are any technical problems in the use of this product, please contact the technicians who have been verified or experienced.

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Chapter III. Product Parameter

3.1. Main Technical Parameters

NO	Subtype	Name	Parameter	Unit	Note
1		Panel	27 inches LED backlight		
2	Product Parameter	Product size (mm)	650.09(H)×388.51(V)×45.55(D)	mm	
3		Active size (mm)	596.89 (H) × 335.31(V)	mm	
4		Color	Aluminum alloy frame + black shell		
5		Weight (Gross)	10.5	KG	
6		Weight (Net)	8.4	KG	
7		Speaker	Stereo 2×2W 4Ω	Watt	
8		Screen hanging mode	Portrait/Landscape		
9		OSD Language	Chinese\English		
10		Play mode	☒ Horizontal ☒ Vertical ☒ Split display ☒ Play List		
11		Multimedia transmission	USB、WAN、LAN		
12		Watchdog function	Support		
13		Timer	Timing power on/off		
14	Core	CPU	RK 3288 Quad-core ARM Cortex A17 (Max. 1.6GHz)		
15		GPU	Quad-core ARMMail-764		
16		Memory	DDR3 2GB		
17		Storage	8GB eMMC FLASH		
18		Operation System	Android 7.1		

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19	Touch Panel	Touch Type		Capacitive			
20		Touch Point		10 point			
21		Enter mode		Finger、capacitive stylus			
22	Multimedia	Picture	Extension	JPG、JPEG、BMP、PNG, etc		TBD	
23		Audio	Extension	MP3 audio format, etc			
24		Video	Extension	MPEG1、MPEG2、MPEG4、H.264、WMV、MKV、TS、flv and other mainstream video formats			
25		Text	Extension	.txt			
26		HTMI 5		Support			
27	Installation	VESA standard		400×200			
28		Hanging mode		Hanging bracket/VESA installation			
29	Accessories			1. AC power line×1 2. 2.4G Wi-Fi antenna×1 3. Remote control×1 4. AAA battery×2 5. Hanging bracket×1			
30	Certification						

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3.1.1. LCD Panel Technical Parameters

	Symbol	Parameter			Unit	Note
		Min	Typ	Max		
LCD Panel Size		-	27	-	inches	Led backlight
Active Screen Size		597.888(H) × 336.312(V)			mm	
Pixel Format		1920×1080			Pixels	
Panel Luminance		250	300		cd/m ²	
Production Luminance		212	255		cd/m ²	
Contrast Ratio	CR	700	1000	-		
Color Depth		6bit, 16.7 Million colors				
Pixel Pitch		0.3114 (H) X 0.3114(V)			mm	
Color Gamut			72%		%	
Response Time	G to G BW	-	14	20	ms	
Backlight Life Time		-	30000	-	Hrs	
Viewing Angle	Xaxis, right=0°	R	85	89	-	
	x axis, left=180°	L	85	89	-	
	y axis, up =90°	U	85	89	-	
	yaxis, down=270°	D	85	89	-	

3.2. Specification Overview

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3.2.1. AC Input Electrical Characteristics

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
AC Power Input Voltage	AC IN	110	220	240	VAC	
AC Power Input Current	TBD	-	-	0.8A	AAC	
Power Consumption	TBD	-	-	30	Watt	

3.2.2. Green mode function

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
Stand-by power consumption	TBD	/	/	0.5	Watt	

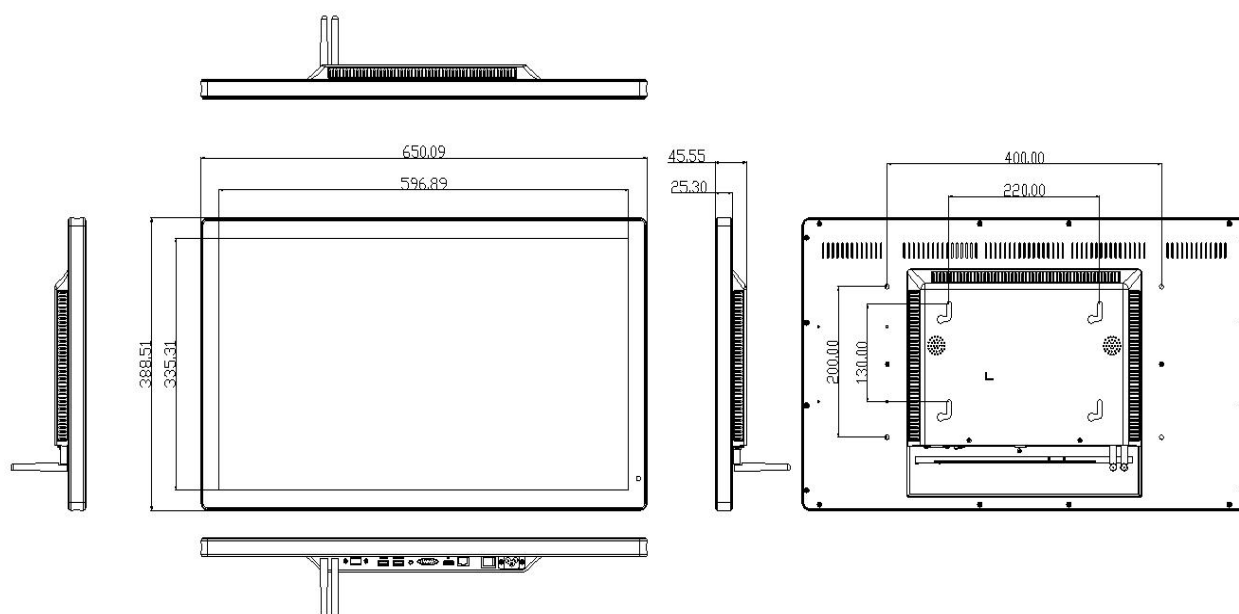
3.3. External Interface Portion

NO	Subtype	Name	Number	Parameter
1	Input Terminals	HDMI	×1	1.3
2		VGA	×1	1D-SUB 15pin
3		AUDIO IN	×1	3.5mm
4	Control Terminals	Ethernet RJ45	×1	100M/1000 Ethernet
5		WiFi	×1	IEEE802.11 b/g/n 2.4GHz
6		USB2.0	×2	USB OTG USB HOST
7		Extension storage	×1	Micro TF Card 32G (Max)
8		TOUCH USB	×1	External touch USB port

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Chapter IV. Mechanical Portion

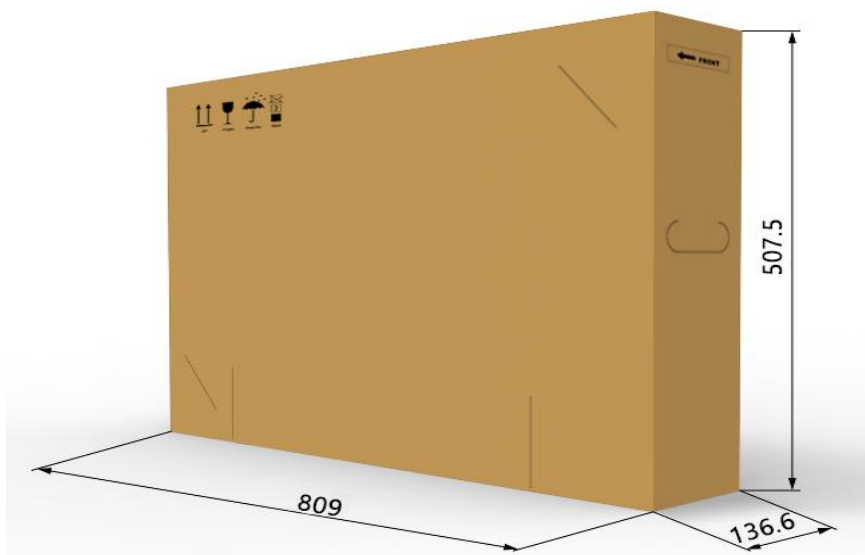
4.1. Outline drawing



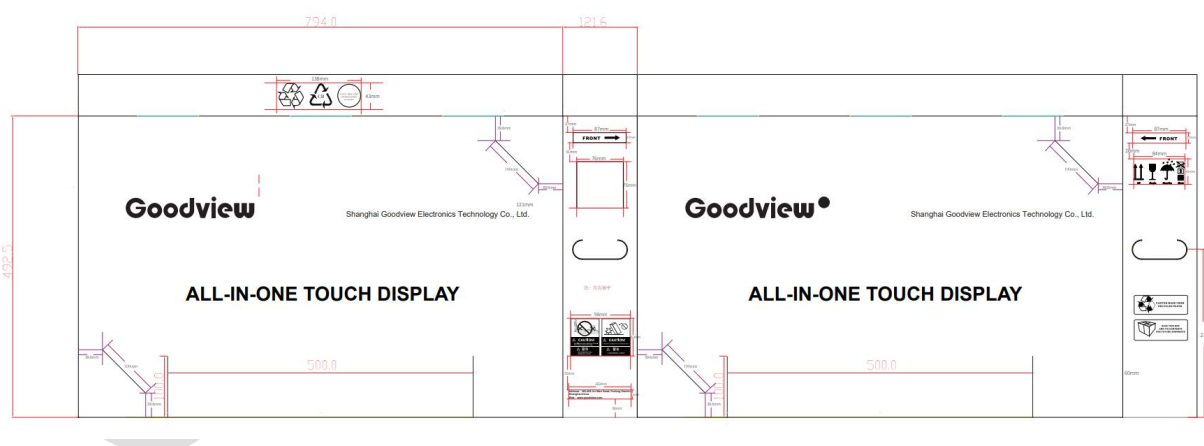
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Chapter V. Packaging Portion

5.1. Packing Size



5.2. Packaging Drawings



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5.3. Labels

5.3.1. Nameplate Labels

Model: TC27H1
 Rated voltage/current: 100~240~
 50/60Hz, 0.8A
 ITE level: B
 Part number: 1410063

5.3.2. Packaging Labels

Model Number : TC27H1
 Part Number : 1410063
 Serial Number :


 Remark: ***** SWH-5180

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Chapter VI. Environmental Requirement

6.1. Operating Temperature

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
Operating Temperature	Hop	0	-	40	°C	
Operating Ambient Humidity	Hop	10%	-	80%	RH	Relative humidity (non-condensing).

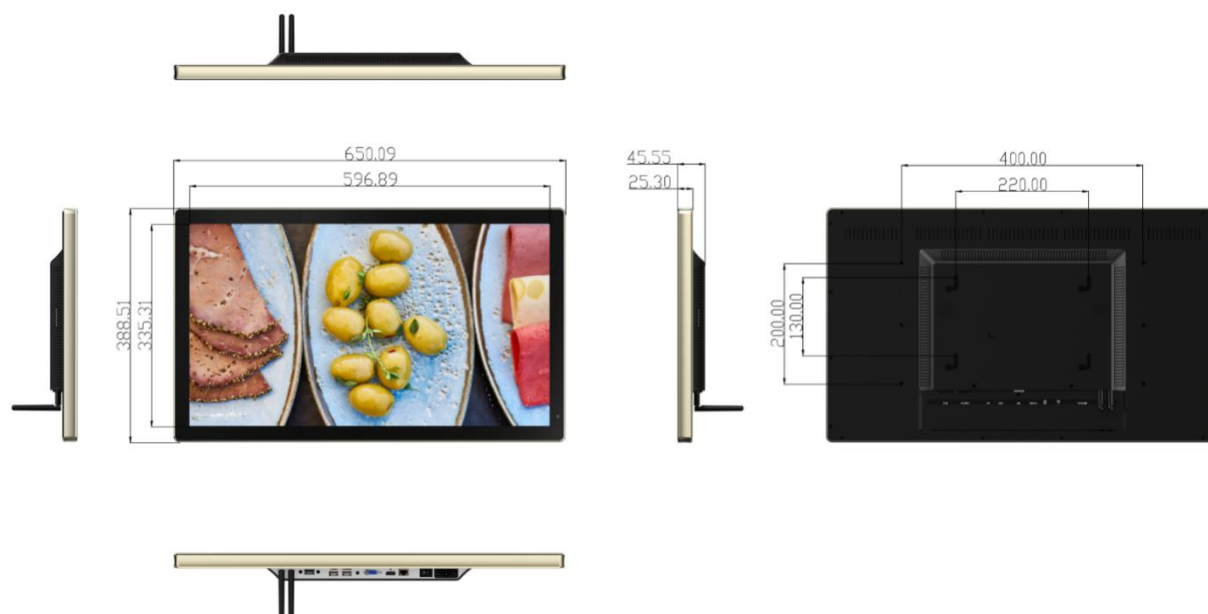
6.2. Storage Temperature

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
Storage Temperature	HST	-10	-	55	°C	
Storage Humidity	HST	10	-	80%	RH	relative humidity (non-condensing).

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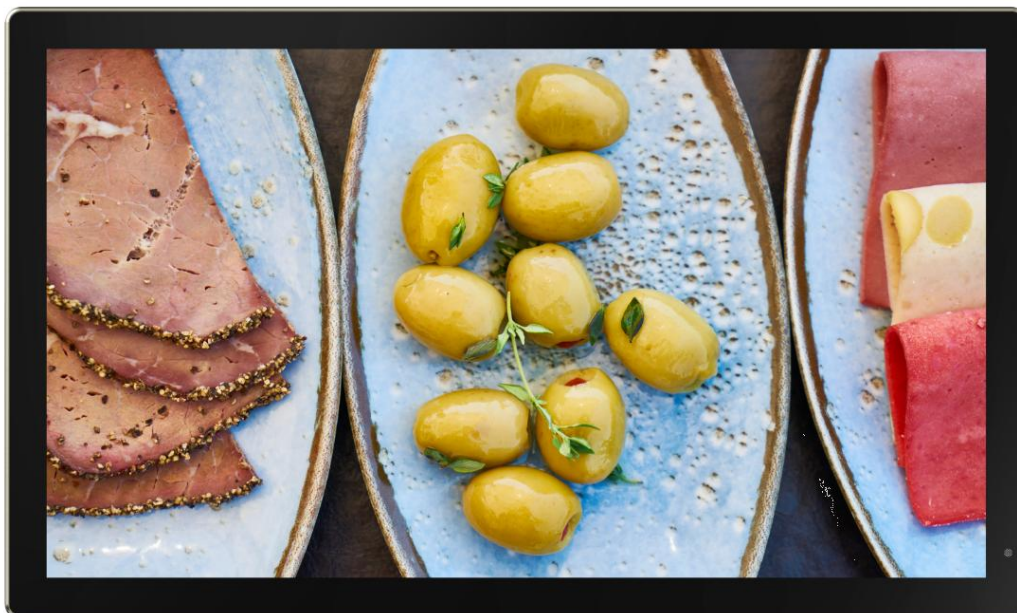
Chapter VII. ID Rendering

7.1. Six Sides Figure



7.2. Front View

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7.3. Back View



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7.4. End View



7.5. Interface Rear View

