

Shanghai Goodview Electronic Technology Co., Ltd.

Specification

TC49H1



Sign and Date by: _____

Customer

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GoodView

File Type	<input type="checkbox"/> Management guide <input type="checkbox"/> Program file <input type="checkbox"/> Management standard <input checked="" type="checkbox"/> Technical manual <input type="checkbox"/> Standard class <input type="checkbox"/> Inspection specification <input type="checkbox"/> Inspection guide <input type="checkbox"/> Inspection standard <input type="checkbox"/> Guidance file <input type="checkbox"/> Technical standard						
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Chapter I. Revision History

Product No.	Version	Revision History	Release Date	Written by	Audit	Approve
1410068	V1.0	First Issue	2020/5/7	胡俊杰 付鑫	王晓帆	孙加明

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Chapter II. Summary

2.1. Statement

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There is no any form of guarantee, position expression or other implication in this manual, if there is any direct or indirect loss of data, loss of profits or termination of business caused by the product information mentioned in this manual, Goodview and its employees are not liable for it. In addition to this, the product specifications and information mentioned in this manual are only for reference and will be updated at any time without further notice. Faults or damages caused by the following factors are not covered by free warranty:

- Damage caused by natural disasters (floods, fires, earthquakes, lightning strikes, typhoons, etc.), force majeure or inadvertent use of man-made operations.
- 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.

The product names mentioned in the user's manual are only for identification, and these names may belong to registered trademarks or copyrights of other companies.

Goodview reserves the right to change any or all specifications without notice. The information contained in this document is subject to change without notice.

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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	48.5 inches (1232.0mm) LED backlight		
2	Product Parameter	Product size (mm)	1135.20(H)×665.4 (V)×63.2(D)	mm	
3		Active size (mm)	1072.8 (H) x603.0 (V)	mm	
4		Color	Gold and black		
5		Weight (Gross)	32.79	KG	
6		Weight (Net)	27.1KG	KG	
7		Speaker	Stereo 2×2W 4Ω	Watt	
8		Screen hanging mode	Portrait/Landscape		
9		OSD Language	Chinese\English		
10		Play mode	<input checked="" type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical <input checked="" type="checkbox"/> Split display <input checked="" type="checkbox"/> Play List		
11		Multimedia transmission	USB、WAN、LAN		
12		Watchdog function	Support		
13		Smart volume	Time-sharing volume		
14		Timing function	Multi-time timing power on/off, port timing automatic switch		
15		Management Software	C/S framework: ADPE/Ezposter B/S framework: GTV Information Distribution System		
16	Core	CPU	RK 3288 Quad-core ARM Cortex A17 (Max. 1.8GHz)		
17		GPU	Quad-core ARMMail-764		

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18		Memory	DDR3 2GB			
19		Storage	8GB eMMC			
20		Operation System	Android 7.1			
21	Touch Panel	Touch Type	Capacitive			
22		Touch Point	10 point			
23		Touch precision	2.5mm±10%			
24		Touch resolution	16384 X 9600			
25		Response time	40ms			
26		Enter mode	Finger、capacitive stylus			
27		Smallest touch objects	Single: N/A Multipoint: N/A			
28	Multimedia	Picture	Extension	JPG、JPEG、BMP、PNG, etc	TBD	
29		Audio	Extension	MP3 audio format, etc		
30	Multimedia	Video	Extension	MPEG1、MPEG2、MPEG4、H.264、WMV、MKV、TS、flv and other mainstream video formats		
			Encoder/ bit rate	MPEG-1 bitrate<20Mbps MPEG-2 bitrate<20Mbps MPEG-4 bitrate<20Mbps H.264 bitrate<20Mbps AVC bitrate<20Mbps VC-1 bitrate<20Mbps RM bitrate<10Mbps		
31		Text	Extension	.txt		
32		HTMI 5		Support		
33	Installation	VESA standard		400x200&400x400		

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34		Hanging mode	VESA installation					
35	Accessories		1. Power cable×1 2. Wi-Fi antenna×1 3. Remote control×1 4. AAA battery×2 5. USB cable×1					
36	Certification							

3.2. LCD Panel Technical Parameters

	Symbol	Parameter			Unit	Note
		Min	Typ	Max		
LCD Panel Size		-	48.5	-	inches	Led backlight
Active Screen Size		1073.78 (H) x604.0 (V)			mm	
Pixel Format		1920×1080			Pixels	
Panel Luminance		360	450		cd/m ²	
Production Luminance		288	360		cd/m ²	
Contrast Ratio	CR	800	1100	-		
Color Depth		8bit 16.7million				
Pixel Pitch		0.55926 mm x 0.55926 mm			mm	
Color Gamut			68%		%	
Color temperature			10000		K	
Response Time	G to G BW	-	12	16	ms	
Backlight Life Time		30000	50000	-	Hrs	

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Viewing Angle	Xaxis,right=0°	R		89	-	
	x axis, left=180°	L		89	-	
	y axis, up =90°	U		89	-	
	yaxis, down=270°	D		89	-	

3.3. Input Signal

3.3.1. HDMI Port

Resolution	Refresh
1024x768	@60Hz/50Hz
1600x900	@60Hz/50Hz
1280x800	@60Hz/50Hz
1280x720	@60Hz/50Hz
1280x1024	@60Hz/50Hz
1360x768	@60Hz/50Hz
1366x768	@60Hz/50Hz
1440x900	@60Hz/75Hz
1680x1050	@60Hz/50Hz
1920x1080	@60Hz/50Hz

3.3.2. VGA Port

Resolution	Refresh
1024x768	@60Hz/50Hz

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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1600x900	@60Hz/50Hz
1280x800	@60Hz/50Hz
1280x720	@60Hz/50Hz
1280x1024	@60Hz/50Hz
1360x768	@60Hz/50Hz
1366x768	@60Hz/50Hz
1440x900	@60Hz/75Hz
1680x1050	@60Hz/50Hz
1920x1080	@60Hz/50Hz

3.4. Specification Overview

3.4.1 AC Input Electrical Characteristics

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
AC Power Input Voltage	AC IN	100	220	240	VAC	
AC Power Input Current	TBD	-	-	1.6A	AAC	
Power Consumption	TBD	-	-	70	Watt	

3.4.2. Green mode function

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

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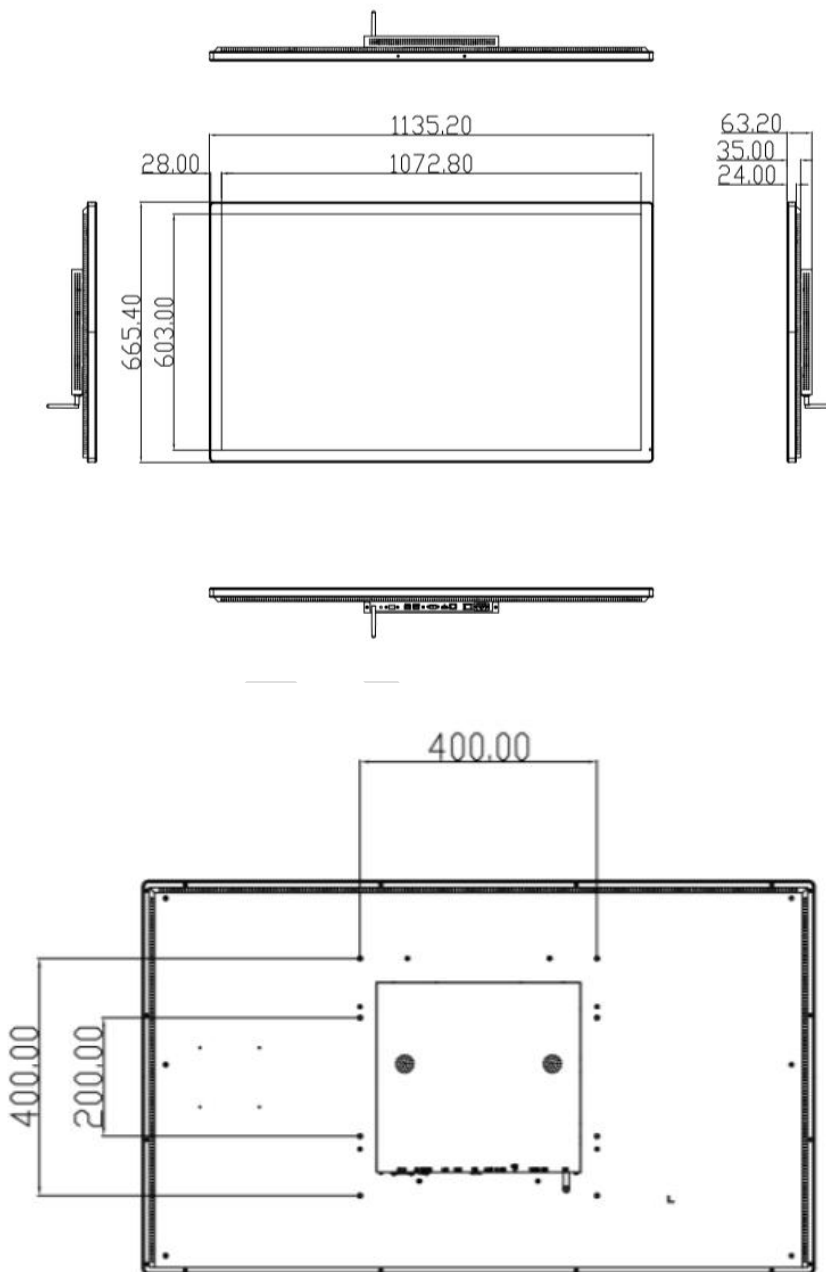
3.5. External Interface Portion

NO	Subtype	Name	Number	Parameter
1	AC input	Coupler	×1	Plum shaped terminal
2		AC Switch	×1	Rocker switch
3	Input Terminals	HDMI	×1	1.3
4		VGA	×1	1D-SUB 15pin
5		Analog Audio in	×1	3.5mm
6	Control Terminals	Ethernet RJ45	×1	100M/1000M Ethernet
7		WiFi	×1	2.4G WiFi IEEE802.11b/g/n
8		USB 2.0	×3	USB OTG USB HOST USB TOUCH
9		Storage extension	×1	Micro TF Card 32G (Max)

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Chapter IV. Mechanical Portion

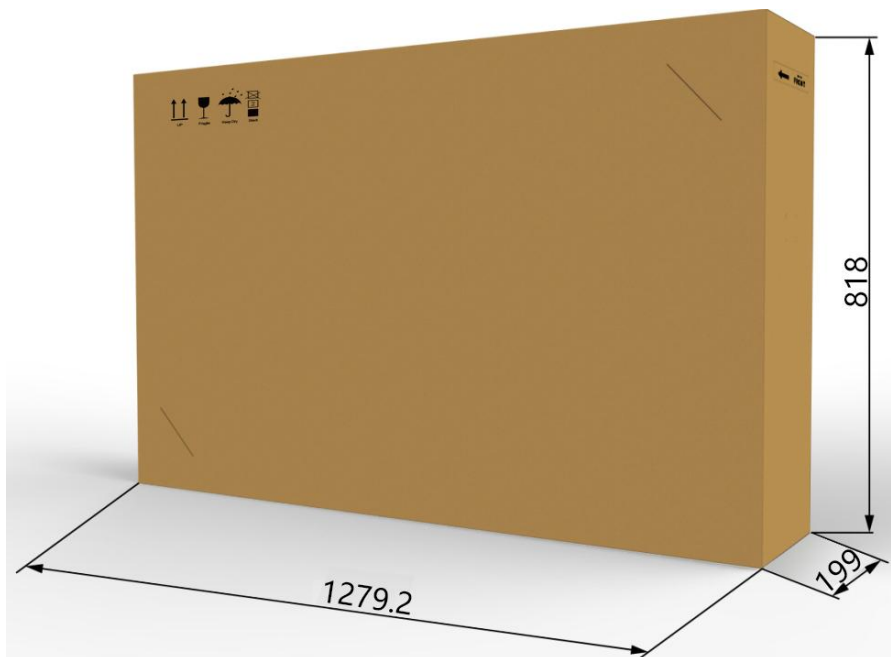
4.1. Outline drawing



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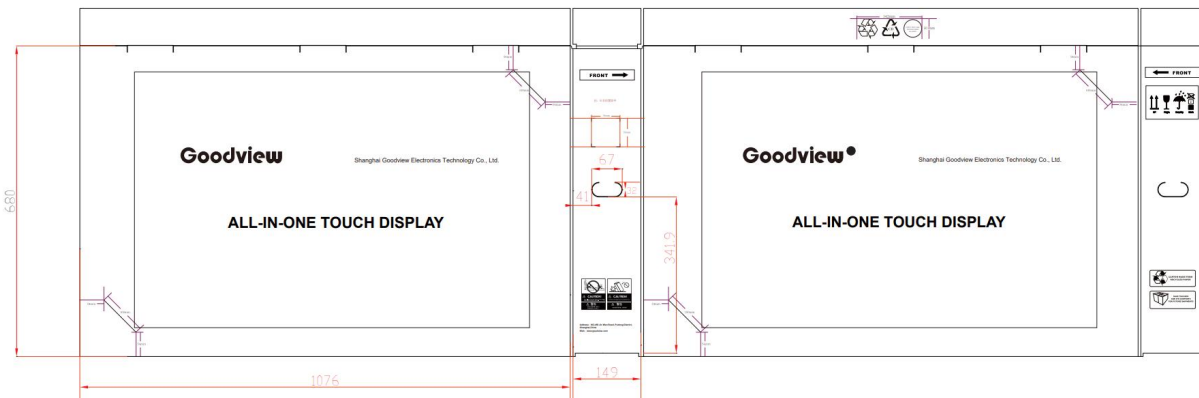
Chapter V. Packaging Portion

5.1. Packing Size

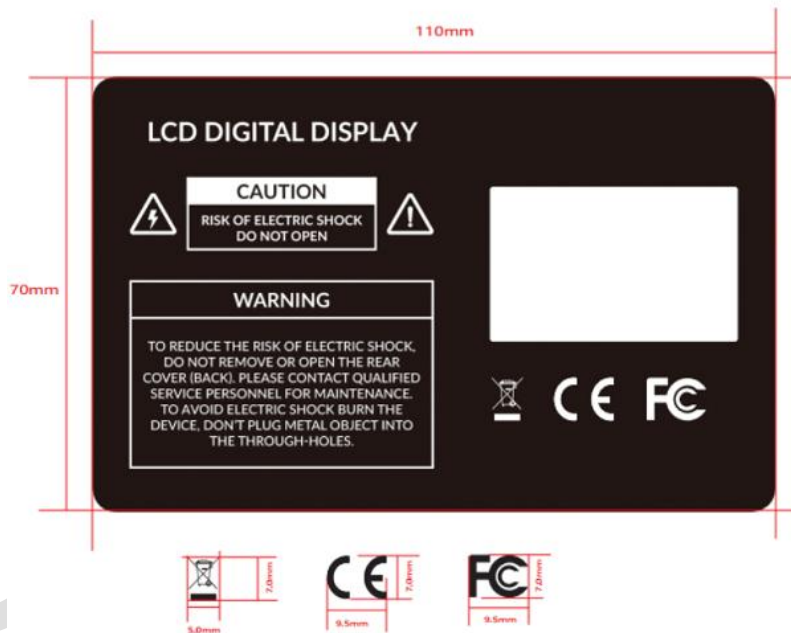


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5.2. Packaging Drawings



5.3. Nameplate



Technological parameter

1. Size: length 110mm, Width 70mm, thickness 0.25mm, R Angle diameter 3mm
2. Nameplate color: white on black
3. Nameplate material: PVC


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5.4. Labels

5.4.1. Nameplate Labels

MODEL NO: TC49H1 POWER RATING: 110-240V [~] , 50/60HZ , 1.5A S/N: BRAND: COUNTRY OF ORIGIN: CHINA (OPTIONAL)

5.4.2. Packaging Labels

Model Number : TC49H1 Part Number : 1410068 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

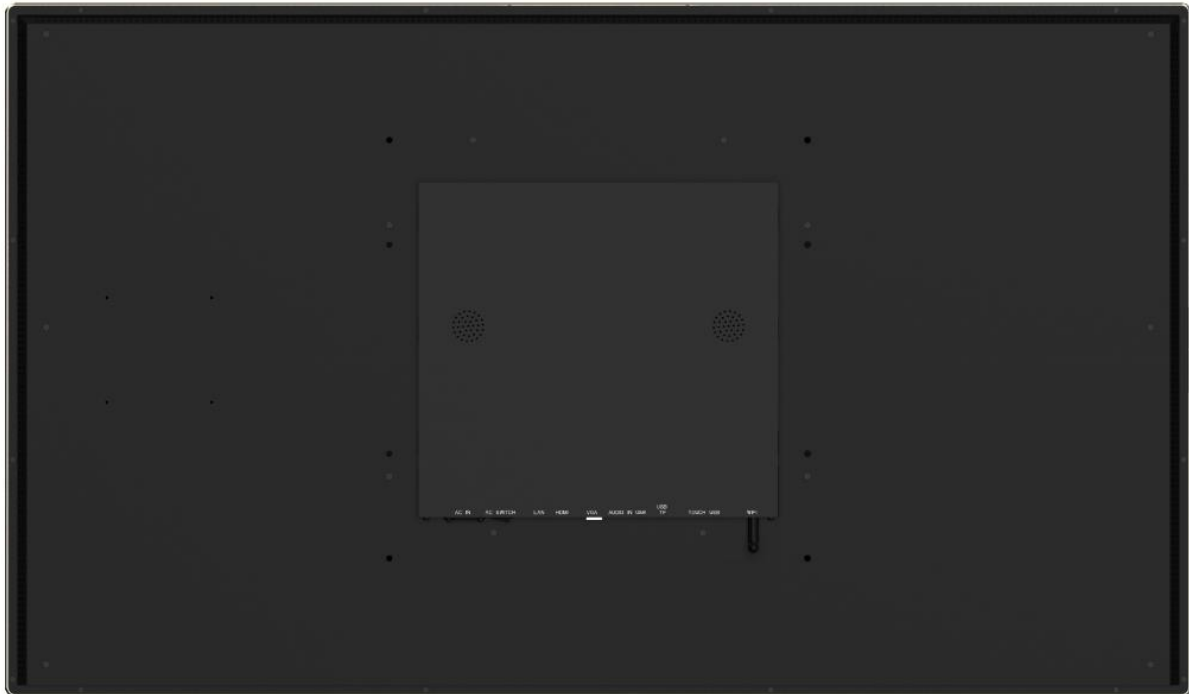


7.2. Front View



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7.3. Back View



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7.4. End View



7.5. Interface Rear View

