

Shanghai Goodview Electronic Technology Co., Ltd.
Specification

PF43HL3



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Customer

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Chapter I. Revision History

Parts No.	Version	Revision History	Date	Written	Auditing	Approval
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				by		
1270091	V1.0	First issue	2022/6/8	胡俊杰 王卓斌	汇富行	王晓帆

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Chapter II. Summary

2.1. Statement

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- 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.

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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	Product Parameter	Panel	42.51 inches (1079.87mm) LED backlight		
2		Product size (mm)	604.7(H) × 1194.9(V) × 478(D)	mm	
3		Active size (mm)	943.2 (H) × 531.4(V)	mm	
4		Color	Black		
5		Weight (Gross)	60.5 (with pallet)	KG	
6		Weight (Net)	44.7	KG	
7		Speaker	2×8W 8Ω	Watt	
8		Screen hanging mode	Portrait		
9		Play mode	<input checked="" type="checkbox"/> Split display <input checked="" type="checkbox"/> Vertical		
10		OSD Language	Chinese\English		
11		Multimedia transmission	USB,WLAN		
12		Protection grade	IPX5		
13	Battery parameters	Battery capacity	58.8 (nominal capacity) / 56.82 (minimum capacity)	Ah	
14		Initial internal resistance	≤ 120	mΩ	
15		Nominal voltage	25.41	V	
16		Standard charge current	7.84	A	

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17		Standard charging method	Continuous current: 0.2C5A continuous voltage: 29.4V cutoff current: 0.01 C5A		The standard charger must be used
18		Charging time	Charging time: about 10.0 hours		
19		Maximum continuous charging current	10		
20		Maximum continuous discharge current	10		
21		Standard discharge current	Continuous current: 0.2C5A cutoff voltage: 21V		
22		Charging cutoff voltage	29.4V		
23		Discharge cutoff voltage	21V		
24		Short circuit protection	Support		
13	Function	Smart volume	Support		
14		Watch dog	Support		
15		Timer	Timer switch		
16		Management software	C/S framework: ADPE/Ezposter B/S framework: GTV Information Distribution System		
17		Core	CPU	RK3288 quad-core ARM Cortex A17(Max.1.6GHz)	
18	GPU		quad-core ARMMail-764		
19	Memory		DDR3 2GB		
20	Storage		8G eMMC		
21	Operation System		Android 7.1		

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22	Multimedia	Picture	Extension	*.jpg, *.jpeg, *.bmp, *.png	TBD	
			Resolution	Baseline : JPG : 6000 x 6000 GIF : 1920 x 1080 BMP : 1920 x 1080 PNG : 1920 x 1080		
		Audio	Extension	*.mp3		
		Video	Extension	MPEG1、MPEG2、MPEG4、WMV、MKV、 AVI、TS、flv		
			Encoder	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		
23	Text	Extension	.txt			
24		Encoder	NASI/UTF-8			
25		HTMI 5	Support			
26		Installation	Floor standing			
27	Accessories		1. Lithium battery charger ×1; 2. Remote control ×1; 3. AAA battery ×2; 4. Power line ×1			
28	Certification		FC CE			

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3.2. LCD Panel Technical Parameters

	Symbol	Parameter			Unit	Note
		Min	Typ	Max		
LCD Panel Size		-	42.51	-	inches	Led backlight
Active Screen Size		941.184 (H) × 529.416(V)			mm	
Pixel Format		1920×1080			Pixels	
Panel Luminance		1350	1500		cd/m ²	
Production Luminance		1215	1350			
Contrast Ratio	CR	800	1200	-		
Color Depth		8bit, 16.7 Million colors				
Pixel Pitch		0.4902x0.4902			mm	
Color temperature		-	-	-		
Color Gamut		-	-	-	%	
Response Time	G to G BW	-	13	20	ms	
Backlight Life Time		30000	50000	-	Hrs	
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. Specification Overview

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3.3.1. 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	-	121	-	Watt	

3.3.2. Green mode function

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

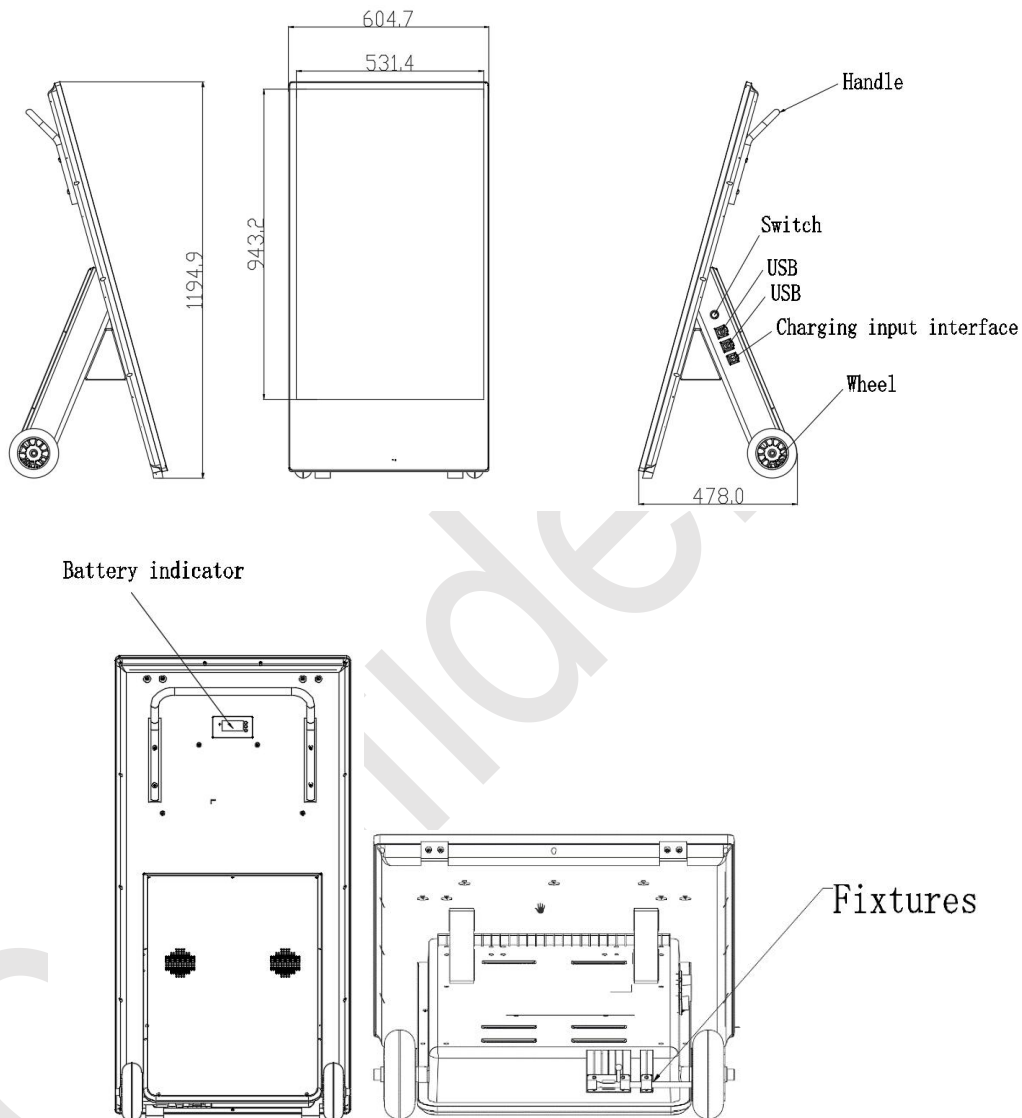
3.4. External Interface Portion

NO	Subtype	Name	Number	Parameter
1.	DC input	coupler	×1	DH20-3P
2.		DC switch	×1	22mm Stainless steel self-locking switch
3.	Input Terminals	USB2.0	×2	USB OTG USB HOST
4.	Control Terminals	IR IN	×1	Remote control head
5.		Light sensor	×1	Light sensor input
6.		WIFI	×1	IEEE802.11 b/g/n 2.4GHz/5GHz

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Chapter IV. Mechanical Portion

4.1. Outline drawing



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Chapter V. Packaging Portion

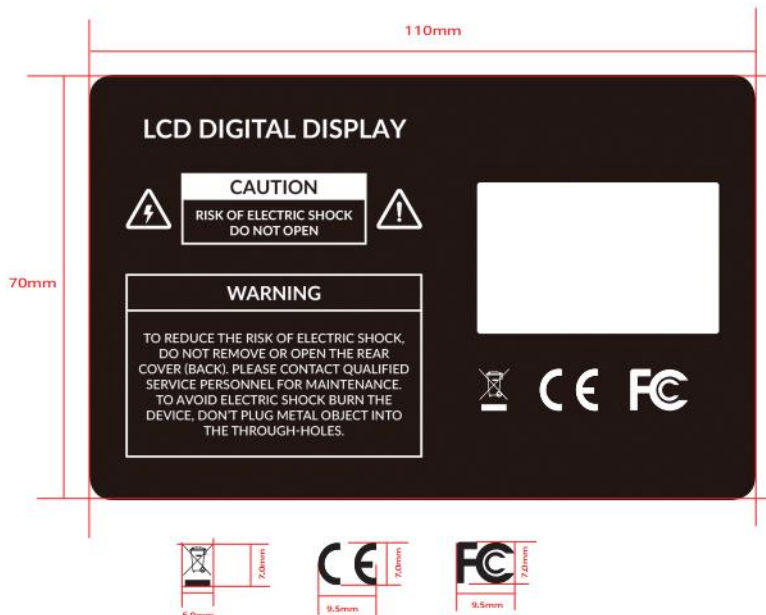
5.1. Packing Size



5.2. Packaging Drawings

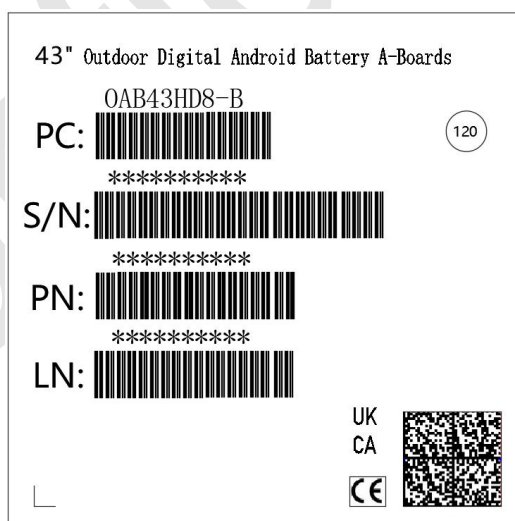
5.3. Nameplate

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5.4. Labels

5.4.1. Nameplate Labels



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MODEL NO: 0AB43HD8-B
 POWER RATING:
 100-240V~, 50/60Hz, 1.6A
 Part Number:1270091



Chapter VI. Environmental Requirement

6.1. Operating Temperature

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

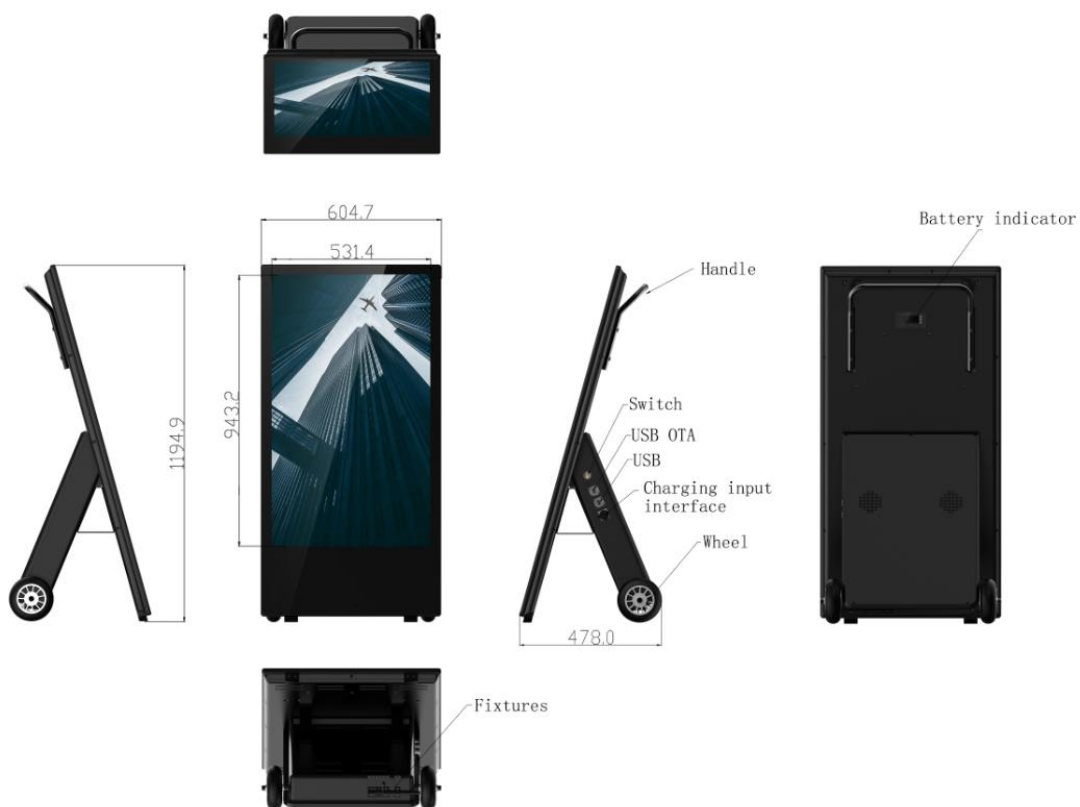
6.2. Storage Temperature

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

