

Shanghai Goodview Electronic Technology Co.,Ltd.

# Specification

GM65L1

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**Customer**

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## Chapter 2 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.

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.

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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 3 Product Parameter

### 3.1. Main Technical Parameters

NO	Sub type	Name	Parameter	Unit	Note
1		Panel	65 inches DLED		
2	Parameter	Product Size(mm)	1489×897×87	mm	
3		Active Size(mm)	1428.48(H)×803.52(V)	mm	
4		Color	Silver & Black		
5		Gross Weight	53.6	KG	
6		Net Weight	39.65	KG	
7		Speaker Power	2×12W	Watt	
8		Orientation	Landscape		
9		OSD Language	Chinese / English		
10		Playmode	<input type="checkbox"/> Landscape		
11		Media Transferring Method	USB		
12		Time Control	Auto On/Off		
13		Core	CPU	Dual core A73+ Dual coreA53	
14	GPU		Quad core Mali-G51		
15	RAM		DDR4 4GB		
16	ROM		32GB eMMC FLASH		
17	OS			Android 8.0	
18			Windows 10 (PC module optional)		
19	Touching Frame	Touch Type	IR infrared		
20		Touching points	20 points		
21		Resolution	32768 (W)×32768(D)		
22		Accuracy	More than 90% area is ±1.5mm		
23		Response Time	<10ms		

File Type  Management guide  Program File  Management standard  Technical manual  Standard class  
 Inspection specification  Inspection guide  Inspection standard  Technical standard

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24		Input Way	Finger, Pen, or other objects		
25		Min touch object	single point	2	mm
26			Multi Points	2mm below 5 points 8mm for more than 5 points	mm
27	Media	Pic	Extension	.jpeg/.jpg, .bmp, .png, .gif	
28			Resolution	.bmp 8000×8000 .gif 8000×8000 .jpeg/jpg 8000×8000 .png 8000×8000	
29		Audio	Extension	.aac .ape .flac.m4a .mp3 .ogg .wav	
30			Encoder	AAC、Monkey's Audio、FLAC、ALAC、MPEG Audio Layer3、Vorbis、WAV	
31		Video	Extension	.3g2.3gp.avi.flv.f4v.mkv .M4V.mov.mp4.VOB.mpg/.mpeg.webm.ts	
32				Encoder/Baudrate	MPEG-1 bitrate<80Mbps MPEG-2 bitrate<80Mbps MPEG-4 bitrate<50Mbps H.264 bitrate<160Mbps H.263 bitrate<5Mbps VP6 bitrate<40Mbps
33			Text	Extension	*.txt
34		Encoder		UTF-8\ANSI	
35		Installation	VESA Standard	600×400	
36			Installing Method	Wall Hanging bracket, Floor Standing	
37	Accessories		Power Cable×1 (3 meters); Writing Pen ×2 Hanging Bracket×1		
38	Certificate				

File Type  Management guide  Program File  Management standard  Technical manual  Standard class  
 Inspection specification  Inspection guide  Inspection standard  Technical standard

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### 3.1. LCD Panel Technical Parameters

	Symbol	Parameter			Unit	Note
		Min	Typ	Max		
LCD Panel Size		-	65	-	inches	Led
Active Screen Size			1428.48(H)×803.52(V)		mm	
Pixel Format		3840×2160			Pixels	
Panel Luminance		-	380	-	cd/m <sup>2</sup>	
Production Luminance		300	320	-	cd/m <sup>2</sup>	
Contrast Ratio	CR	-	1200:1	-		
Color Depth		1.07G colors				
Pixel Pitch		0.372 (H) × 0.372(V)			mm	
Color Temperature		-	9300	-	K	
Color Gamut		-	72%	-		
Response Time	G to G BW	-	8	-	ms	
Backlight Life Time		-	30000	-	Hrs.	
Viewing Angle	Xaxis,right=0°	R	-	79	-	
	x axis, left=180°	L	-	79	-	
	y axis, up =90°	U	-	79	-	
	yaxis, down=270°	D	-	79	-	

### 3.2. Input Signal

#### 3.2.1. HDMI Port

Resolution	Refresh
640×480	@60HZ
1280×720	@60HZ
1920×1080	@60HZ



File Type  Management guide  Program File  Management standard  Technical manual  Standard class  
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3840×2160	@60HZ
640×480	@60HZ

### 3.3. Specification Overview

#### 3.3.1. AC Input Electrical Characteristics

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
AC Power Input Voltage	-	100	220	240	VAC	
AC Power Input Current	-	--	--	4	AAC	
Power Consumption	-	--	--	350	Watt	

#### 3.3.2. Green mode function

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
Standby Power Consumption	-	-	-	0.5	Watt	

### 3.4. External Interface Portion

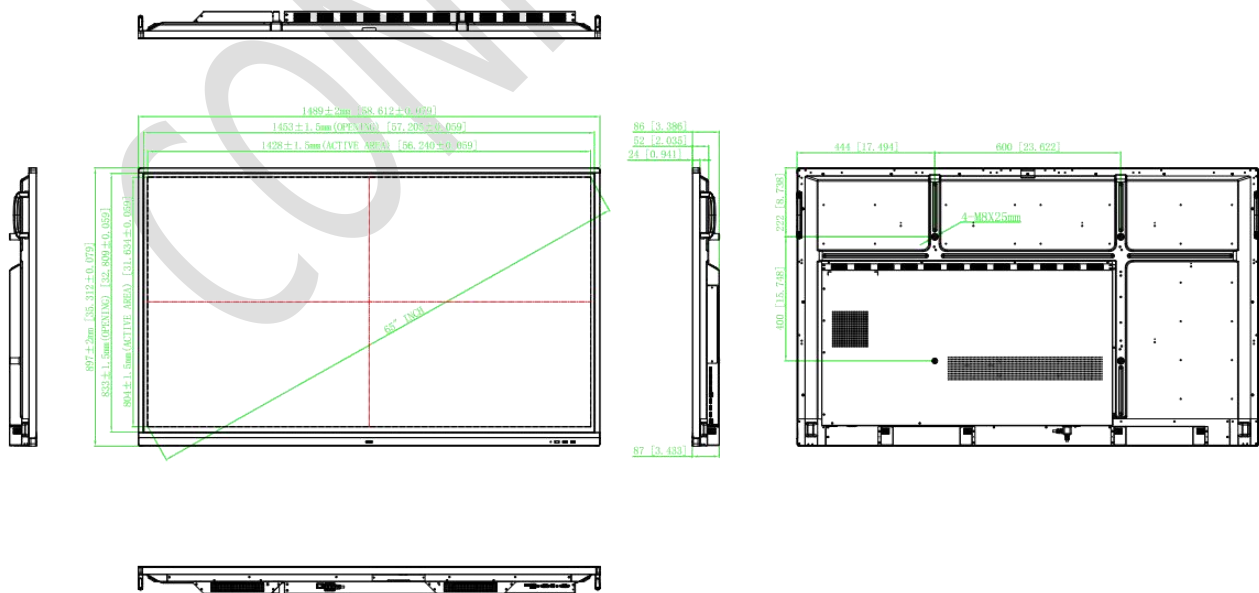
NO	Subtype	Name	Number	Parameter
1	Ac input	Coupler	NA	
2		AC Switch	×1	Rocker Switch
3	Input Terminals	HDMI IN	×3	HDMI signal 2.0 HDCP 1.4/2.2
4		VGA IN	×1	VGA signal
5		AUDIO IN	×1	3.5mm Port
6		USB2.0	×3	Within board x1, Front x2
7		USB3.0	×3	Within Board×3

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8		RJ45	×1	1000M
9		RS232	×1	RS232
10	Output Terminals	HDMI OUT	×1	HDMI signal 2.0 HDCP 1.4/2.2
11		AUDIO OUT	×1	Support earphone as default, Line out could be Selected
12		TOUCH OUT	×2	USB Type B
13		SPDIF	×1	Optical Audio output
14	Control Terminals	Wi-Fi+BT	×1	Bluetooth V4.0 2.4GHz/5GHz
15		Wi-Fi	×1	2x2 WIFI IEEE 802.11ac 5GHz IEEE 802.b/g/n 2.4GHz
16		Control Key Button	×1	POWER_ON/OFF
17		IR	×1	Infrared remote

## Chapter 4. Mechanical Portion

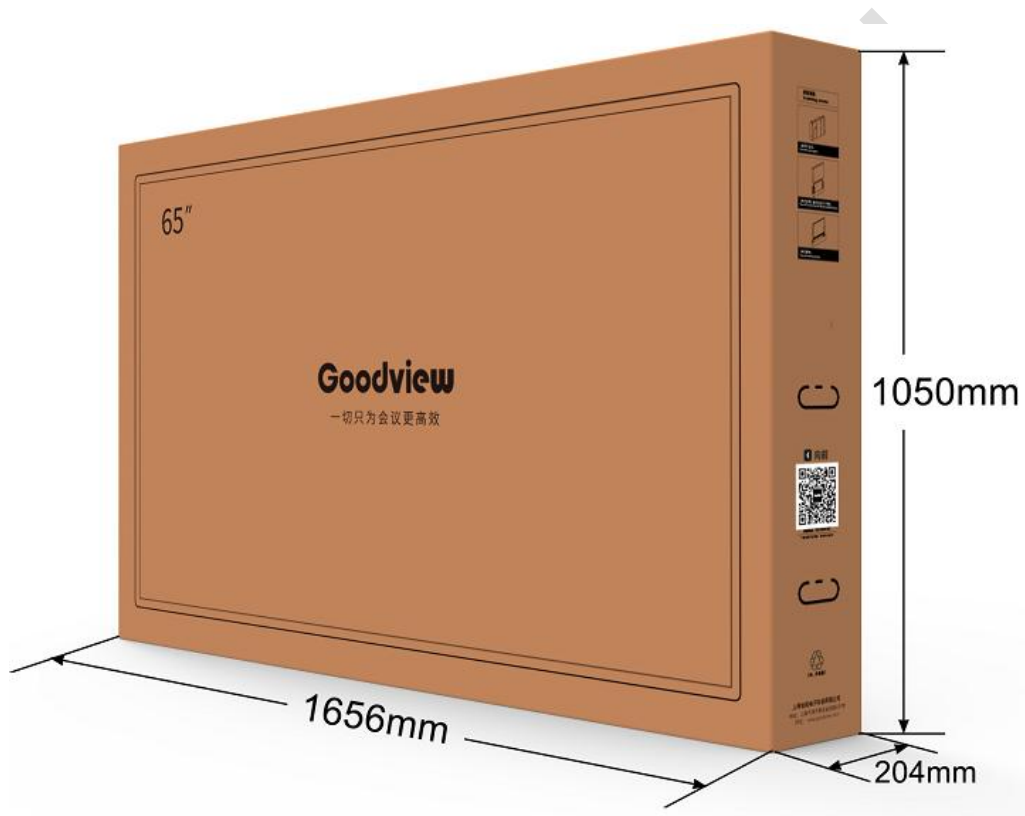
### 4.1. Outline drawing



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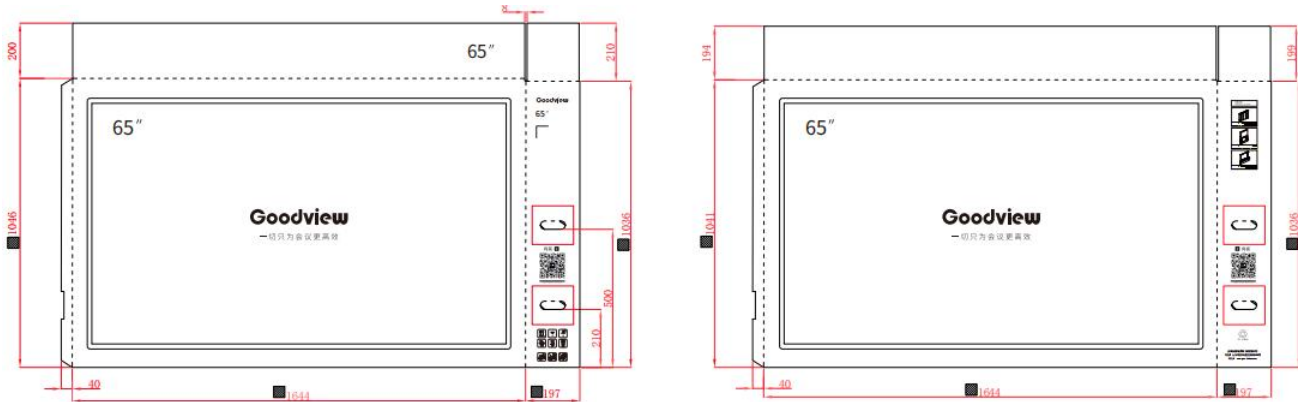
## Chapter 5. Packaging Portion

### 5.1. Packing size



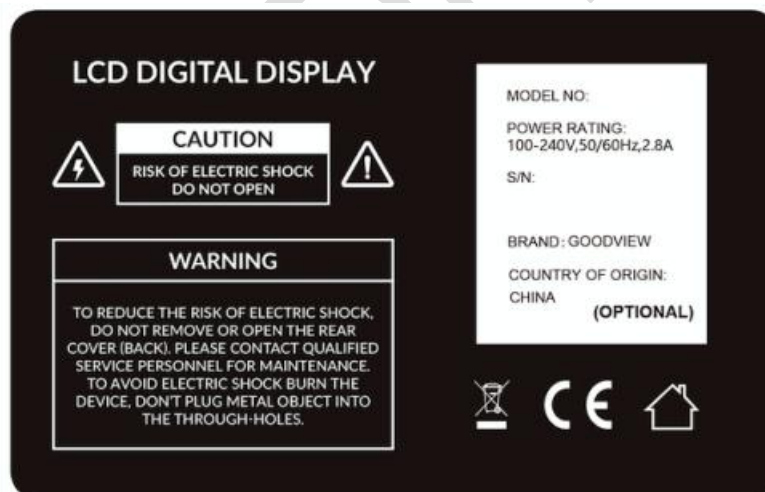
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## 5.2. Packaging Drawings



## 5.3. Labels & Barcode

### 5.3.1. Nameplate



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### 5.3.2. Packing Label

**Model:**  
 Rated voltage : 100-240V,  
 current : 50/60Hz, 4 A  
 ITE level : B  
 Part No. :



## Chapter 6. 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%	-	90%	RH	Relative humidity (non-condensing).

### 6.2. Storage Temperature

Item	Symbol	Values			Unit	Note
		Min	Typ	Max		
Storage Temperature	HST	-20	-	60	°C	
Storage Humidity	HST	10%	-	90%	RH	relative humidity (non-condensing).

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## Chapter 7. ID Rendering

### 7.1. Six Sides Figure



### 7.2. Front View



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### 7.3. Reverse View



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#### 7.4. Side View



#### 7.5. Interface View

