

Shanghai Goodview Electronic Technology Co., Ltd.

# Specification

M86GUQ



Sign and Date by: \_\_\_\_\_

**Customer**

Sign and Date by: \_\_\_\_\_

**Good View**

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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### I. Revision History

Parts No.	Version	Revision History	Date	Written by	Auditing	Approval
1440275	V1.0	First issue	2023/1/10	张梦丽	/	王晚帆

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## II. Summary

### 2.1. Statement

All parts of this product, including accessories and software, all the intellectual property right are owned by Shanghai Goodview Electronic Technology Co., Ltd. (hereinafter refers to "Goodview") or authorizes the relevant subjects xxxx to use. Without the permission of the right subjects, no copying or translation is allowed.

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.

For the latest upgrade information of product specifications, please call to Shanghai Goodview Electronic Technology Co., Ltd.

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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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### III. Product Parameter

#### 3.1 Main Technical Parameters

NO	Subtype	Name	Parameter	Unit	Note
1		Panel	86 inches LED backlight		
2	Product Parameter	Product size (mm)	1930.8(H)×1101.8 (V)×81.6(D)	mm	
3		Active size (mm)	1895.0(H)×1066.0(V)	mm	
4		Color	Black		
5		Weight (Gross)	60.75	KG	
6		Weight (Net)	44	KG	
7		Speaker	2×10W	Watt	
8		Display direction	<input checked="" type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal		
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,LAN,WAN		
12		Function	Smart volume	Time sharing volume	
13	Watch dog		Support		
14	Timer		Multi-period timing switch		
15		Management software	B/S framework: GTV Information Distribution System		
16	Core	CPU	Quad-core A55		
17		GPU	Mali G52MP2		

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18		Memory	4GB				
19		Storage	32GB eMMC				
20		Operation System	Android11				
21	Multimedia	Picture	Extension	*.jpg, *.jpeg, *.bmp, *.png			
22		Audio	Extension	*.mp3			
23		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				
24		Text	Extension	.txt			
25		HTMI 5	Support				
26	Installation	VESA standard	800x600				
27		Installation mode	VESA				
28	Accessories	1. National standard power cord 3m×1 2. Remote control × 1 3. AAA battery × 2 4. WIFI module × 1 5. HDMI cable 3mx1 6. Warranty card certificate x1 7. User manual x1					

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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29	Certification		CCC CECP CE FCC		
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### 3.1.1 LCD Panel Technical Parameters

	Symbol	Parameter			Unit	Note
		Min	Typ	Max		
LCD Panel Size		-	86	-	inches	Led backlight
Active Screen Size		1895.0(H)×1066.0(V)			mm	
Pixel Format		3840×2160			Pixels	
Panel Luminance			500	-	cd/m <sup>2</sup>	
Product Luminance			500	-	cd/m <sup>2</sup>	
Contrast Ratio	CR		1200	-		
Color Depth		10bit, 1.07 Billion colors				
Pixel Pitch		0.4935×0.4935			mm	
Color temperature		-	-	-	K	
Color Gamut		-	72%	-		
Response Time	G to G BW	-	8		ms	
Backlight Life Time		-	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	-	-	



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## 3.2 Input Signal

### 3.2.1 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

### 3.2.2 VGA Port

Resolution	Refresh
1024x768	@60Hz/50Hz
1600x900	@60Hz/50Hz
1280x800	@60Hz/50Hz
1280x720	@60Hz/50Hz
1280x1024	@60Hz/50Hz
1360x768	@60Hz/50Hz
1366x768	@60Hz/50Hz

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1440x900	@60Hz/75Hz
1680x1050	@60Hz/50Hz
1920x1080	@60Hz/50Hz

### 3.3. Specification Overview

#### 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		-	-	5.0A	AAC	
Power Consumption		-	-	500	Watt	

#### 3.3.2 Green mode function

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

### 3.4 External Interface Portion

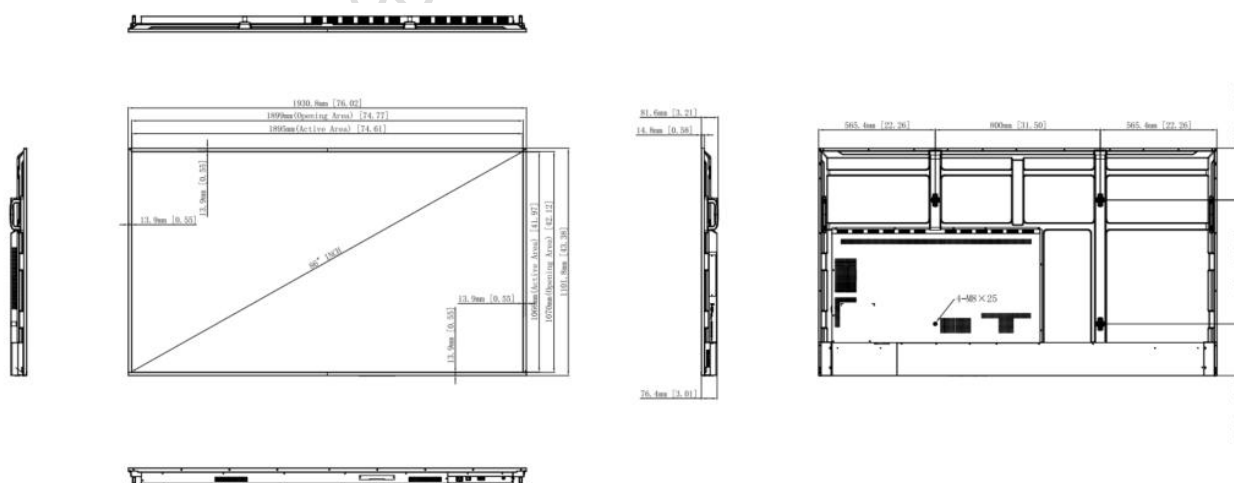
NO	Subtype	Name	Number	Parameter
1	Ac input	Coupler	×1	Torx tail
2		AC Switch	×1	Rocker switch
3	Input/output	HDMI IN	×3	Supports HDCP 2.1, CEC, ARC (HDMI 1), up to 4K@60Hz

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4	Terminals	Type-c	×1	Video, audio, external charging 65W, LAN network sharing
5		HDMI OUT	×1	Maximum support 4K@60Hz , only supports HDMI IN signal output, not Android channel and HDMI 3 signal output
6		Audio out	×1	3.5mm headphone connector
7		SPDIF	×1	PCM output format
8	Control Terminals	RJ45 IN	×1	10M/100M/1000Mbps
9		RJ45 OUT	×1	10M/100M/1000Mbps
10		WiFi	×1	2.4/5G WiFi IEEE802.11b/g/n
11		USB2.0	×1	For system upgrade
12		USB3.0	×1	External USB flash disk, mouse and other peripherals
13		RS232	×1	Baud rate 115200

## IV. Mechanical Portion

### 4.1 Outline drawing



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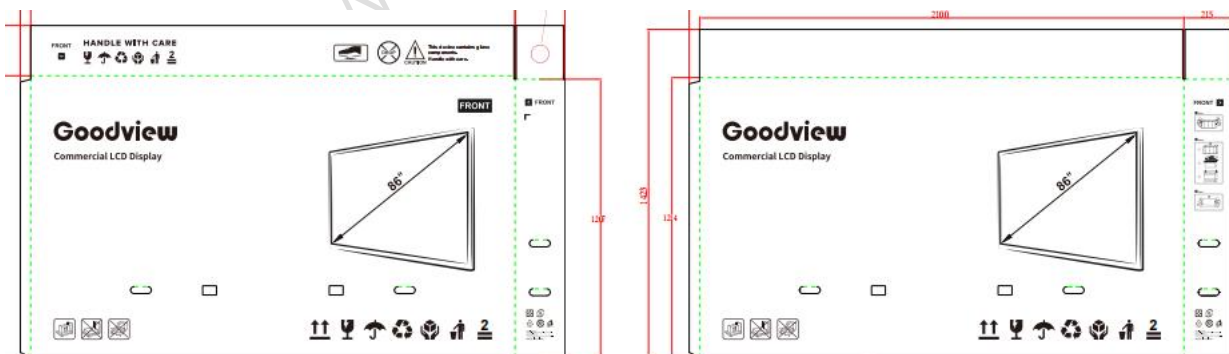
## V. Packaging Portion

### 5.1 Packing Size



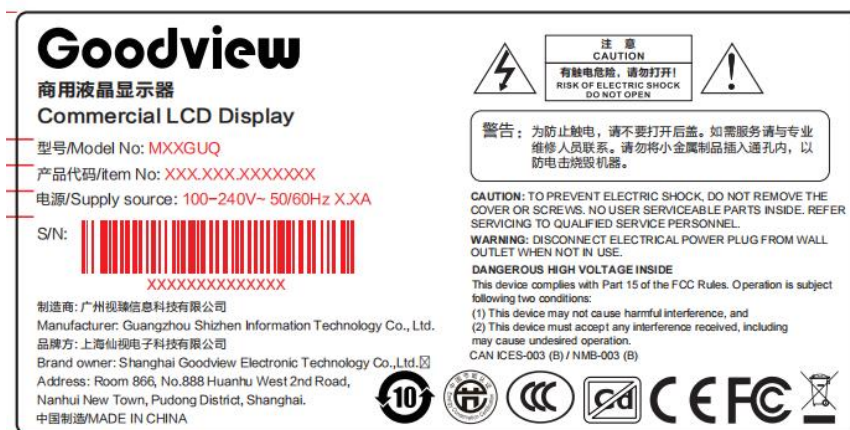
单位: mm

### 5.2 Packaging Drawings



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### 5.3 Nameplate



### 5.4 Labels



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## 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).

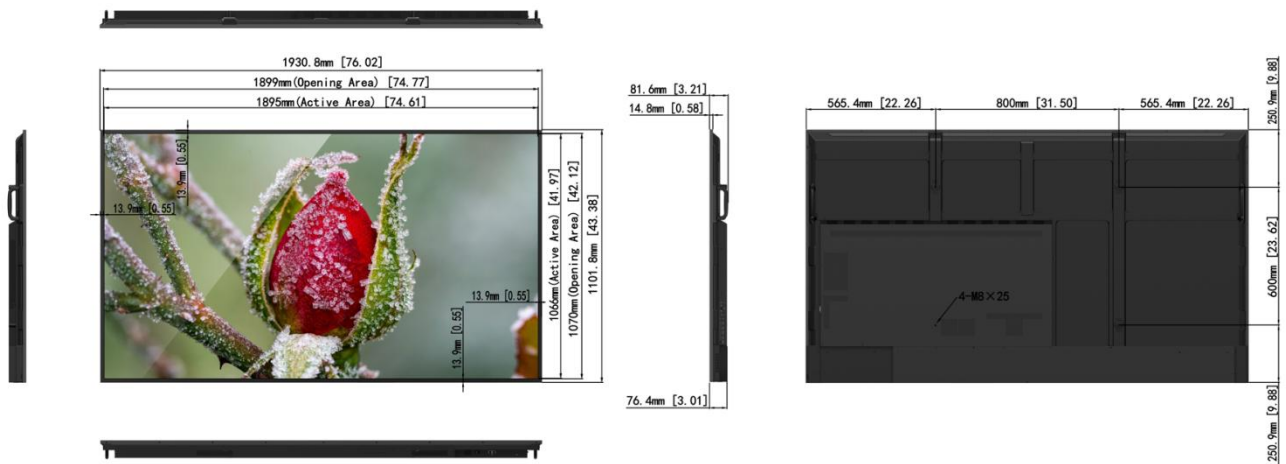
### 6.2 Storage Temperature

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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## VII. ID Rendering

### 7.1 Six Sides Figure



### 7.2 Front view



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### 7.3 Back view



### 7.4 End View





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### 7.5 Interface Rear View



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