

# Shanghai Goodview Electronic Technology Co., Ltd.

## Specification

**M55SAH**



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

**Customer**

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

**GoodView**

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |                |          |      |    |
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| File Code | GV-RD-PJ-039                                                                                                                                                                                                                                                                                                                                                                                                                                             | Version | V1.0 | Effective Date | 2019/9/1 | Page | 16 |

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## Chapter I. Revision History

[illegible]

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |                |          |      |    |
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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.

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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                   | 54.64inches(1387.80mm) LED backlight                                                                                                                                                        |      |      |
| 2  |                   | Product size (mm)       | 1232(H)×708.9 (V)×49.9(D)                                                                                                                                                                   | mm   |      |
| 3  |                   | Active size (mm)        | 1209.6(H) ×680.4(V)                                                                                                                                                                         | mm   |      |
| 4  |                   | Color                   | Black                                                                                                                                                                                       |      |      |
| 5  |                   | Weight (Gross)          | 24.6                                                                                                                                                                                        | KG   |      |
| 6  |                   | Weight (Net)            | 19.45                                                                                                                                                                                       | KG   |      |
| 7  |                   | Speaker                 | 2×2W 4Ω                                                                                                                                                                                     | Watt |      |
| 8  |                   | Screen hanging mode     | Portrait, Landscape                                                                                                                                                                         |      |      |
| 9  |                   | Play mode               | <input checked="" type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Split display <input checked="" type="checkbox"/> Vertical <input checked="" type="checkbox"/> Play List |      |      |
| 10 |                   | OSD Language            | Chinese\English                                                                                                                                                                             |      |      |
| 11 |                   | Multimedia transmission | USB,LAN,WLAN                                                                                                                                                                                |      |      |
| 12 | Function          | Smart volume            | Support                                                                                                                                                                                     |      |      |
| 13 |                   | Watch dog               | Support                                                                                                                                                                                     |      |      |
| 14 |                   | Timer                   | Timer switch                                                                                                                                                                                |      |      |
| 15 |                   | Management software     | C/S framework: ADPE/Ezposter<br>B/S framework: GTV Information Distribution System                                                                                                          |      |      |
| 16 | Core              | CPU                     | RK3288 quad-core ARM Cortex A17(Max.18GHz)                                                                                                                                                  |      |      |
| 17 |                   | GPU                     | quad-core ARMMail-764                                                                                                                                                                       |      |      |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |                |          |      |    |
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|        |                |                   |           |                                                                                                     |                |     |  |
|--------|----------------|-------------------|-----------|-----------------------------------------------------------------------------------------------------|----------------|-----|--|
| 18     |                | Memory            |           | DDR3 2GB                                                                                            |                |     |  |
| 19     |                | Storage           |           | 8G eMMC                                                                                             |                |     |  |
| 20     |                | Operation System  |           | Android 7.1                                                                                         |                |     |  |
| 21     | Multimedia     | Picture           | Extension | *.jpg, *.jpeg, *.bmp, *.png                                                                         |                | TBD |  |
|        |                | Audio             | Extension | *.mp3                                                                                               |                |     |  |
|        |                | Video             | Extension | MPEG1、MPEG2、MPEG4、WMV、MKV、<br>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 |                   |           |                                                                                                     |                |     |  |
| 22     |                | Text              | Extension | .txt                                                                                                |                |     |  |
| 23     |                | HTMI 5            |           | Support                                                                                             |                |     |  |
| 24     | Installation   | Installation mode |           | VESA                                                                                                |                |     |  |
|        |                | VESA standard     |           | 200×400    (Screw type M6×10mm)                                                                     |                |     |  |
| 25     | Accessories    |                   |           | 1.    Power cord x1<br>2.    Remote control x 1<br>3.    AAA battery x 2<br>4.    Wi-Fi antenna x 1 |                |     |  |
| 26     | Certification  |                   |           | CB, CE, FCC, CTUVUS, PSE, TELEC,<br>ROHs                                                            |                |     |  |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |                |          |      |    |
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### 3.2. LCD Panel Technical Parameters

|                     | Symbol            | Parameter                 |       |     | Unit              | Note          |
|---------------------|-------------------|---------------------------|-------|-----|-------------------|---------------|
|                     |                   | Min                       | Typ   | Max |                   |               |
| LCD Panel Size      |                   | -                         | 54.64 | -   | inches            | Led backlight |
| Active Screen Size  |                   | 1209.6*680.4              |       |     | mm                |               |
| Pixel Format        |                   | 1920×1080                 |       |     | Pixels            |               |
| Panel Luminance     |                   |                           | 600   |     | cd/m <sup>2</sup> |               |
| Contrast Ratio      | CR                | 800                       | 1200  | -   |                   |               |
| Color Depth         |                   | 8bit, 16.7 Million colors |       |     |                   |               |
| Pixel Pitch         |                   | 0.63*0.63                 |       |     | mm                |               |
| Color temperature   |                   | 9300                      | 12000 |     |                   |               |
| Color Gamut         |                   |                           | 72%   |     | %                 |               |
| Response Time       | G to G<br>BW      | -                         | 12    | 16  | ms                |               |
| Backlight Life Time |                   | -                         | 30000 | -   | 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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### 3.3. 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 |
| 1600x900   | @60Hz/50Hz |
| 1280x800   | @60Hz/50Hz |
| 1280x720   | @60Hz/50Hz |
| 1280x1024  | @60Hz/50Hz |
| 1360x768   | @60Hz/50Hz |

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|           |            |
|-----------|------------|
| 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    | -      | -   | 98   | Watt |      |

#### 3.4.2. Green mode function

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

### 3.5. External Interface Portion

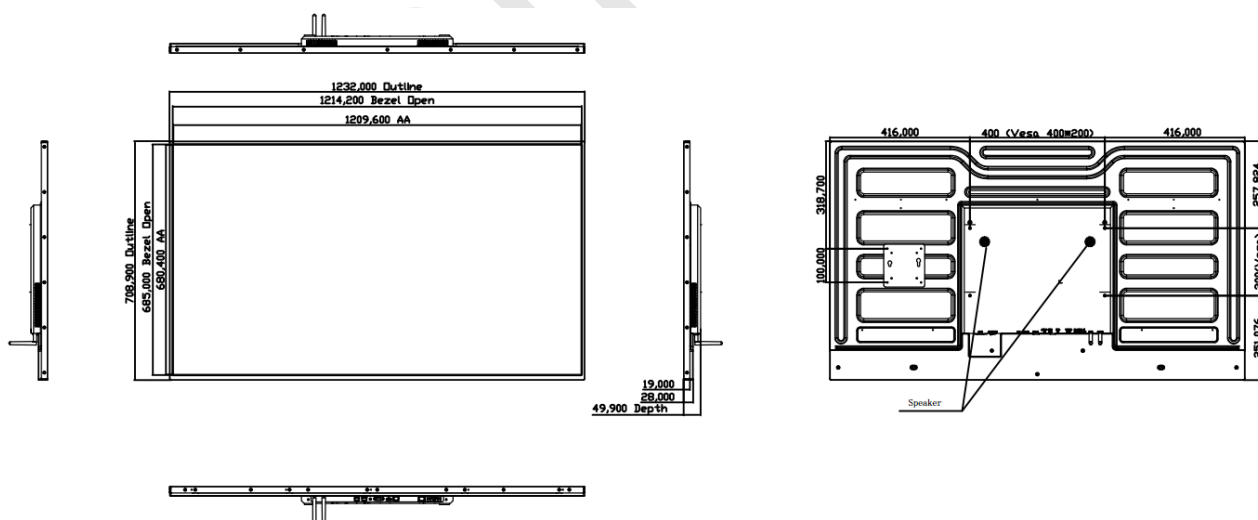
| NO | Subtype  | Name      | Number | Parameter     |
|----|----------|-----------|--------|---------------|
| 1  | Ac input | Coupler   | ×1     | Torx tail     |
| 2  |          | AC Switch | ×1     | Rocker switch |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |                |          |      |    |
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|    |                   |                   |    |                           |
|----|-------------------|-------------------|----|---------------------------|
| 3  | Input Terminals   | HDMI              | ×1 | 1.3                       |
| 4  |                   | VGA               | ×1 | 1D-SUB 15pin              |
| 5  |                   | Analog audio      | ×1 | 3.5mm stereo jack         |
| 6  | Control Terminals | Ethernet RJ45     | ×1 | 100M/1000M Ethernet       |
| 7  |                   | WiFi              | ×1 | 2.4G WiFi IEEE802.11b/g/n |
| 8  |                   | USB2.0            | ×4 | USB OTG<br>USB HOST       |
| 9  |                   | 4G module         | x1 | Optional                  |
| 10 |                   | SIM               | ×1 | 3G/4G SIM slot, with lock |
| 11 |                   | Extension storage | ×1 | Micro TF Card 32G (Max)   |

## Chapter IV. Mechanical Portion

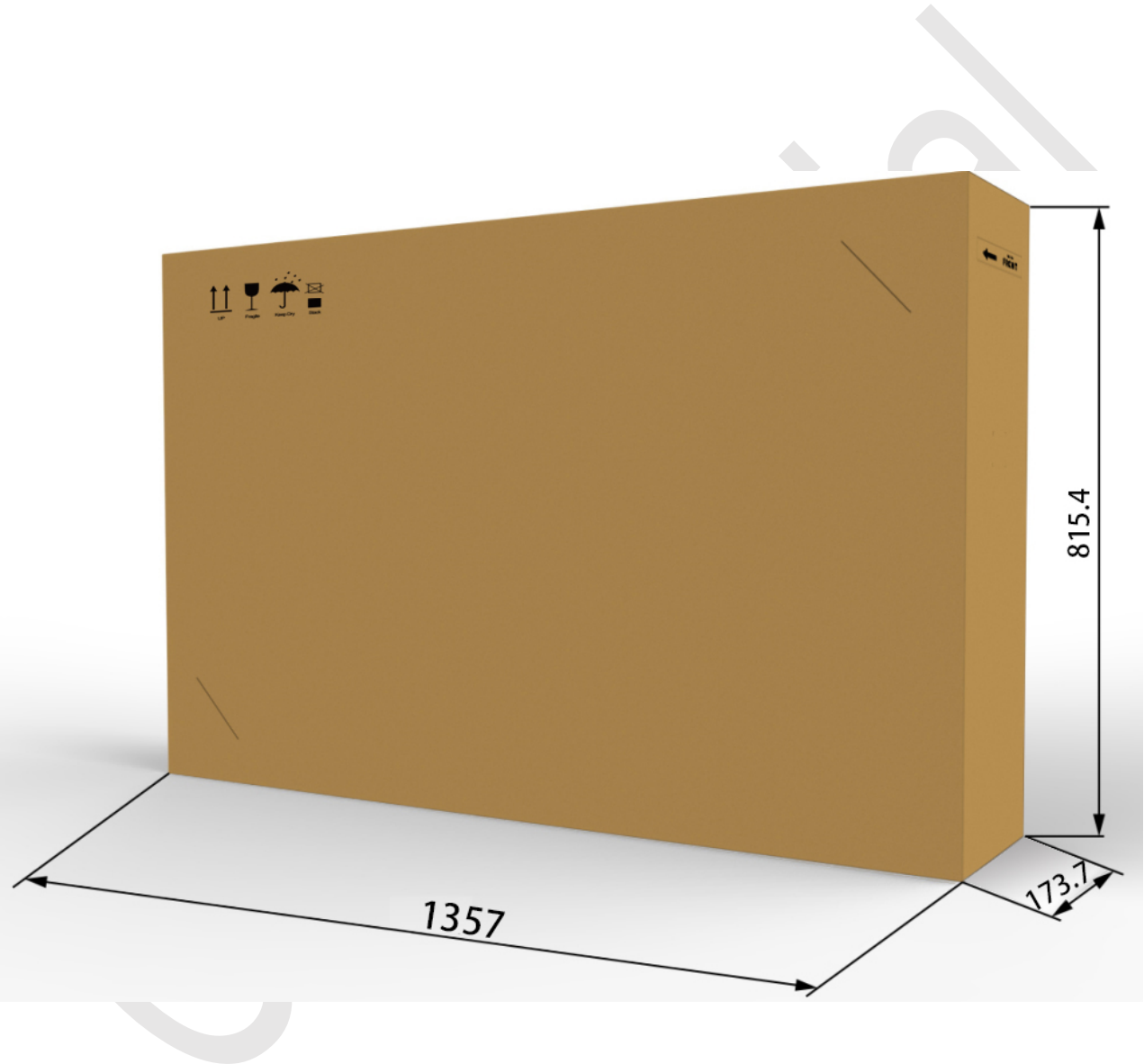
### 4.1. Outline drawing



|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |      |                |                                |      |    |
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| <div><div>Goodview</div><div>A CUTE COMPANY</div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |      |                | Controlled File                |      |    |
|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |      |                | Security Classification : Open |      |    |
| File Type                                               | <div><div><input type="checkbox"/> Management guide</div><div><input type="checkbox"/> Program File</div><div><input type="checkbox"/> Management standard</div><div><input checked="" type="checkbox"/> Technical manual</div><div><input type="checkbox"/> Standard class</div><div><input type="checkbox"/> Inspection specification</div><div><input type="checkbox"/> Inspection guide</div><div><input type="checkbox"/> Inspection standard</div><div><input type="checkbox"/> Guidance file</div><div><input type="checkbox"/> Technical standard</div></div> |         |      |                |                                |      |    |
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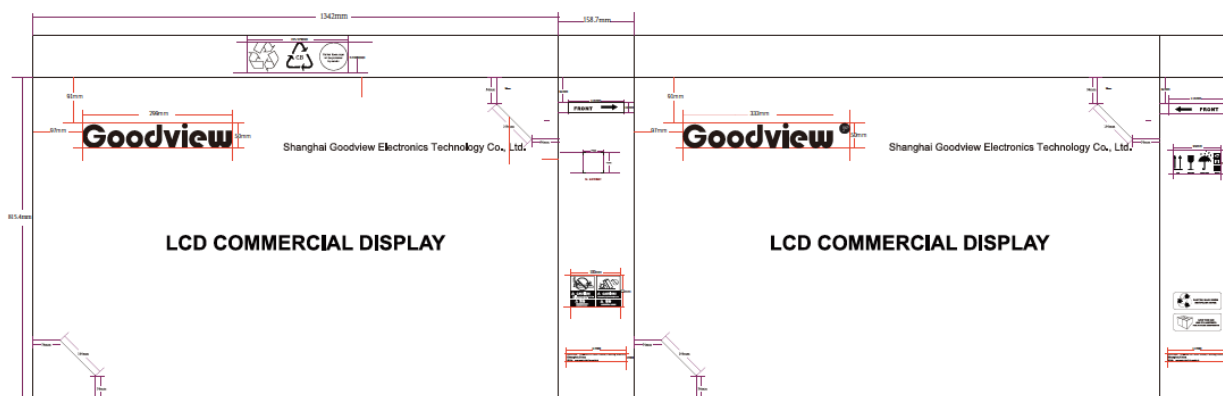
Chapter V. Packaging Portion

5.1. Packing Size

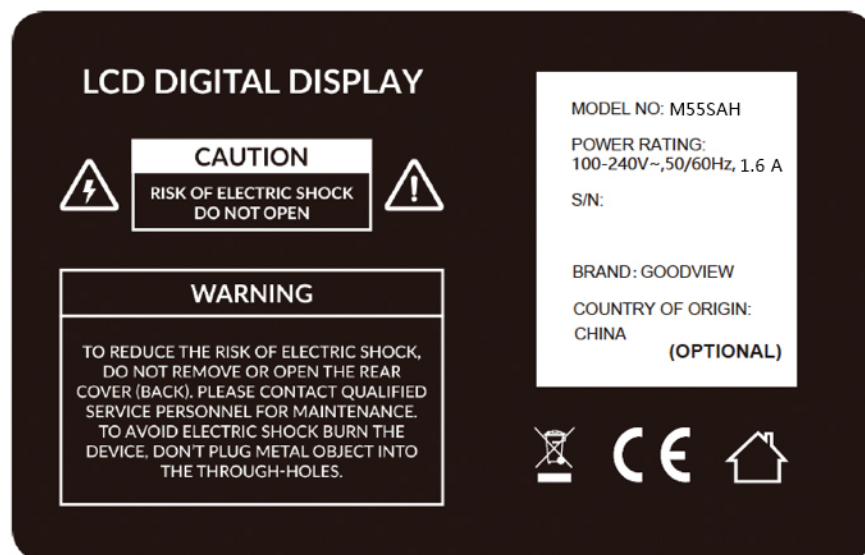


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## 5.2. Packaging Drawings



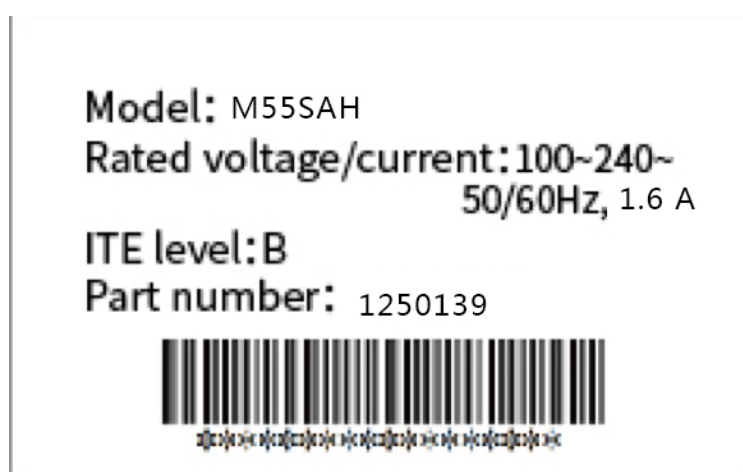
## 5.3. Nameplate



|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |                |          |      |    |
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## 5.4. Labels

### 5.4.1. Nameplate Labels



## 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). |

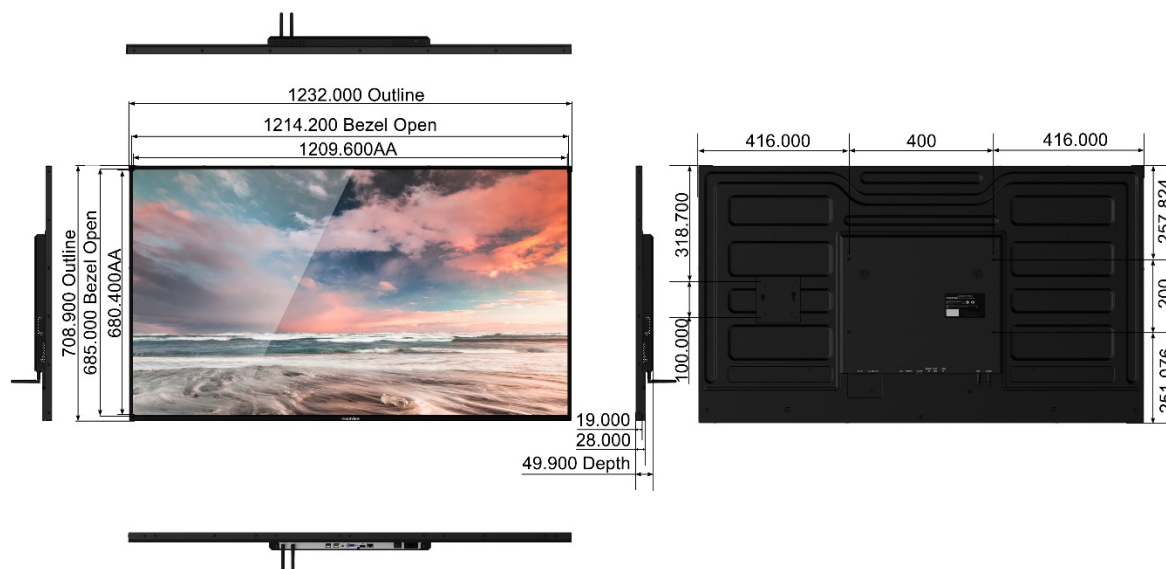
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |                |          |      |    |
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| 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<br><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 |         |      |                |          |      |    |
| File Code | GV-RD-PJ-039                                                                                                                                                                                                                                                                                                                                                                                                                                             | Version | V1.0 | Effective Date | 2019/9/1 | Page | 16 |

## 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). |

## Chapter VII. ID Rendering

### 7.1. Six Sides Figure



|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |      |                |                                |      |    |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|----------------|--------------------------------|------|----|
| <div><div>Goodview</div><div>A CUTE COMPANY</div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |      |                | Controlled File                |      |    |
|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |      |                | Security Classification : Open |      |    |
| File Type                                               | <div><div><input type="checkbox"/> Management guide</div><div><input type="checkbox"/> Program File</div><div><input type="checkbox"/> Management standard</div><div><input checked="" type="checkbox"/> Technical manual</div><div><input type="checkbox"/> Standard class</div></div> <div><div><input type="checkbox"/> Inspection specification</div><div><input type="checkbox"/> Inspection guide</div><div><input type="checkbox"/> Inspection standard</div><div><input type="checkbox"/> Guidance file</div><div><input type="checkbox"/> Technical standard</div></div> |         |      |                |                                |      |    |
| File Code                                               | GV-RD-PJ-039                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Version | V1.0 | Effective Date | 2019/9/1                       | Page | 16 |

7.2. Front View



7.3. Back 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<br><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 |         |      |                |          |      |    |
| File Code | GV-RD-PJ-039                                                                                                                                                                                                                                                                                                                                                                                                                                             | Version | V1.0 | Effective Date | 2019/9/1 | Page | 16 |

#### 7.4. End View



#### 7.5. Interface Rear View

