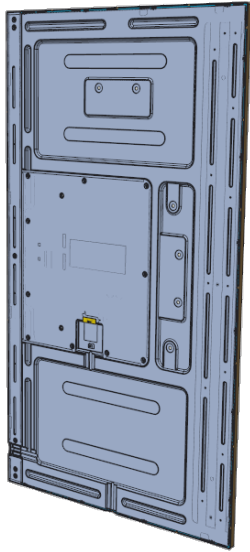


Product Specification



- Tentative Specification release
- Preliminary Specification
- Final Specification

**Revision: 5.0**  
**DATE: Dec. 01. 2019**

Model No. : AIO90

<b>APPROVED BY</b>	<b>DATE</b>
_____	_____
<b>REVIEWED BY</b>	
_____	_____
_____	_____
_____	_____
<b>PREPARED BY</b>	
Salman / Engineer	_____
_____	_____

## Product Specification

### 1. General

#### Display

<b>Active Screen Size</b>	48.50 inches (1232.0mm) diagonal
<b>Panel Type</b>	LG Display IPS Panel ( Hard Coating treatment )
<b>Resolution</b>	1920 × 1080(FHD)
<b>Luminance ,white</b>	450 nit ( center 1point, Typical )
<b>Color Gamut</b>	NTSC 88%(Wide Color Gamut)
<b>Color Depth</b>	8-bit, 16.7 M colors
<b>Viewing Angles</b>	Viewing angle free ( R/L 178 (Min.), U/D 178 (Min.))
<b>Response time</b>	12ms(Gray to Gray)
<b>Back Light</b>	Edge LED

#### Physical

<b>Outline Dimension</b>	1104.2 × 634.4 × 13.9 mm(W×H×D) Even Thickness
<b>Bezel</b>	On 15.2 / Off 12.3 mm Even Bezel
<b>Weight</b>	11.2 kg (Width Out Adaptor)

#### Packing

<b>Outline Dimension</b>	1197 × 739 × 152 mm(W×H×D)
<b>Weight</b>	-

#### Environmental Requirements

<b>Operating Temperature</b>	5 - 35℃
<b>Operating Humidity</b>	20 - 80%

## Product Specification

### Power

<b>Power Consumption</b>	Normal Operation	T.B.D
	Stand by	T.B.D
<b>Power Supply</b>	DC Voltage	24V / 5 A ( Adapter )
<b>Power Source</b>	AC Voltage	220V
	Frequency	60 Hz

### Board

<b>Main Board</b>	Layer	6
	Size	190 x 100 x 4.3t
<b>LED Driver Board</b>	Size	130 x 70 x 4.3t
<b>OSD Board</b>	Size	18.6 x 24.0 x 3.0t
<b>WIFI ANT Board</b>	Size	40.0 x 6.0 x 0.6t

### Processor

<b>CPU</b>	RK3229(Rockchip)
<b>CPU Speed</b>	Cortex-A7 @ 1.5GHz
<b>Number of Cores</b>	Quad
<b>GPU</b>	ARM Mali-400MP2

### Storage

<b>RAM / ROM</b>	2GByte(DDR3) / 8GByte(EMMC)
<b>External Memory</b>	Optional

### Networking

<b>3G / LTE</b>	No
<b>WIFI</b>	WIFI 802.11 a/b/g/n
<b>Buletooth</b>	BT 4.0
<b>NFC</b>	No
<b>GNSS ( GPS)</b>	No

## Product Specification

### I/O Port, Interface

	Front	Rear	Side	Remarks
<b>Serial ( RS-232C )</b>		○		White Balance Adjust
<b>Micro USB</b>		○		OTG
<b>DC Adapter Jack</b>		○		USB type C
<b>WIFI ANT</b>			○	
<b>Power Button</b>			○	

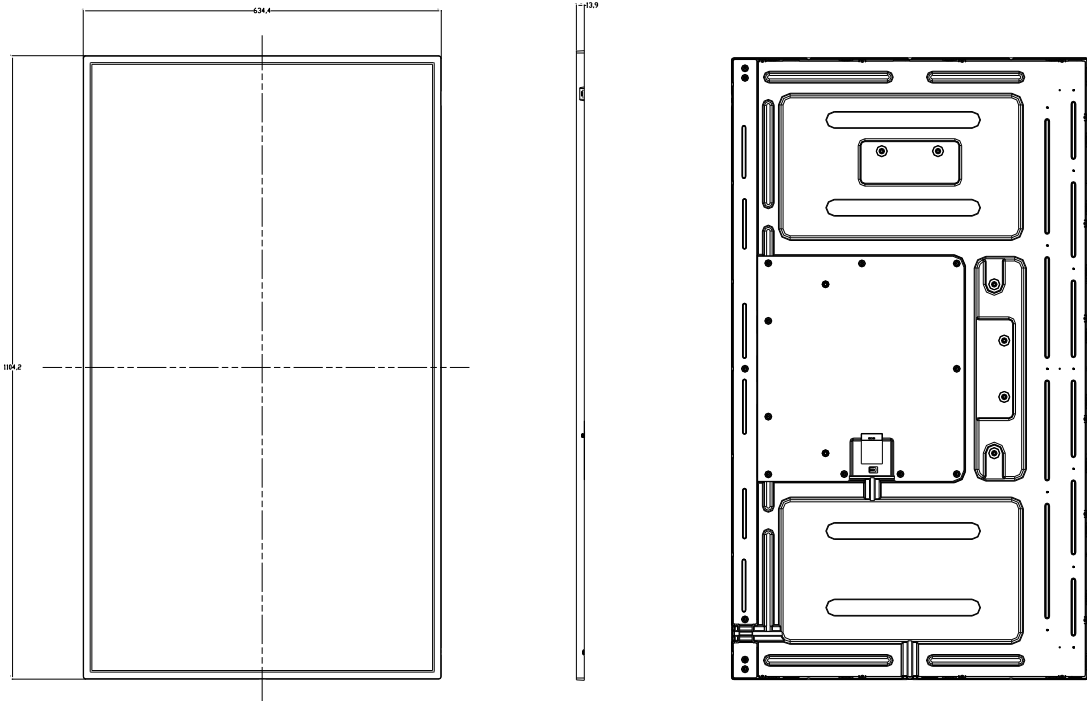
### Soft Ware

<b>Operating System</b>	Android 4.4 KitKat
<b>Market</b>	Google Play Store
<b>Preinstall Apps</b>	BLUE CANVAS
<b>Language</b>	English / Korean
<b>Customized UI</b>	Yes
<b>Video Support</b>	H.263, H.264(AVC), MPEG4, VC-1, Sorenson Spark, MP43, WMV7, WMV8, VP8 15fps 1080p (H264 BP) 30fps 720p (MPEG-4 / H.263 / H.264 / DivX 4/5/6) 30fps FWVGA (VC-1/VP8) H.265 (HEVC) : WVGA at 30fps, 720p at 30fps
<b>Audio Support</b>	MP3, AMR-NB, AMR-WB, AAC, AAC+, eAAC+, WMA, Vorbis, FLAC

### Certification & Approvals

<b>UL</b>	USA
<b>FCC</b>	USA
<b>C-UL</b>	Canada
<b>CE</b>	Europe
<b>KC</b>	Korea
<b>CCC</b>	China
<b>PSE orS-MARK</b>	Japan
<b>VCCI</b>	Japan
<b>ROHS</b>	

## 2. Mechanical Dimension



## 3. Reliability

Table. ENVIRONMENT TEST CONDITION

No.	TestItem	TestCondition
1	Operating Temperature	Typ . 25 °C / Max 40 °C
2	Operating Humidity	Max 80%
3	Storage Temperature	Min -20 °C / Max 60 °C
4	Storage Humidity	Max 85%