



LSBE-G245GV Bundled Display
Dual 2K Ultra Stretch 245" TAA Compliant
Rev 2

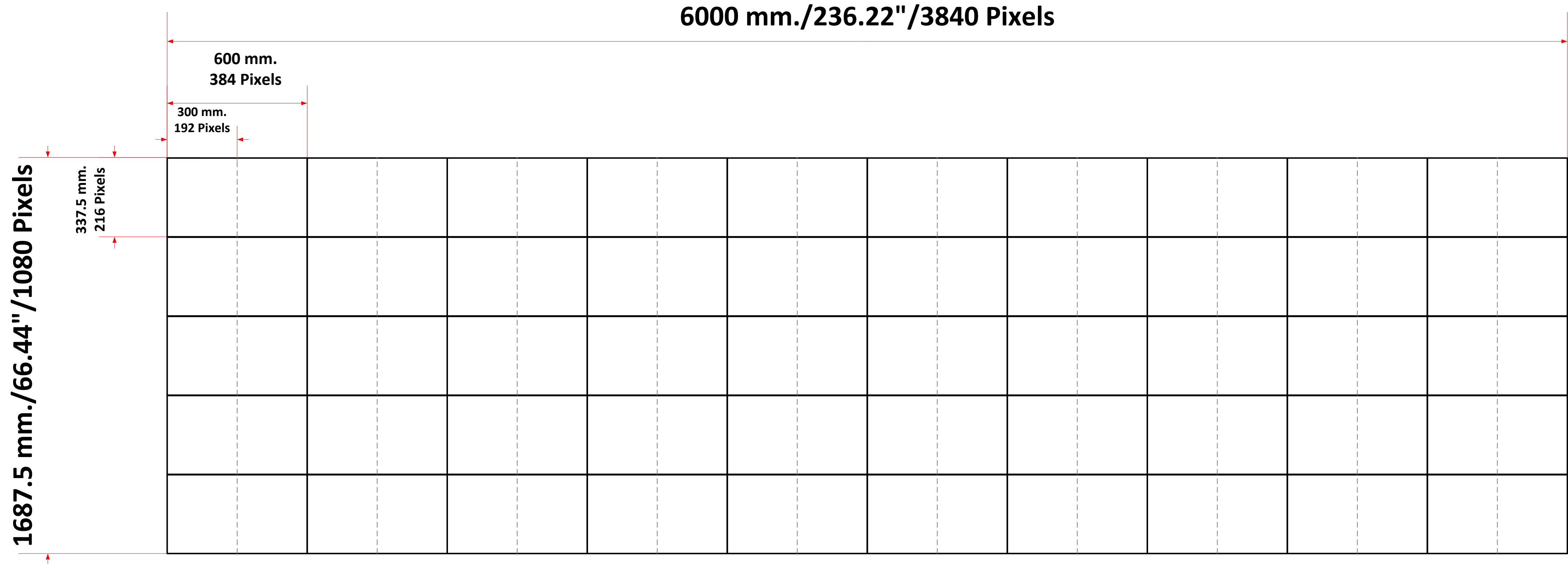
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Design Review		
Design Completed By	Name Anthony Gillespie	Date 02/06/2025
Initial Review By	Name Michael Reisinger	Date 02/10/2025
Final Review By	Name XXXXXXX	Date XX/XX/XXXX
Project/System Information		
Voltage that will be used to supply the wall	TBD – 110V Depicted	
Number and type of circuits for the wall	TBD	
Number and type of data cables to the wall	Qty 10– Cat 5e or 6 Cables Required	
LED cabinet service type (Front, rear, top, etc.)	Front	
Installation type (Wall, floor, ceiling, suspended, etc.)	TBD	
Mounting frame provided by	TBD – LG and Partner Mounts Available	
Recommended 3 rd party devices (Image processor, fiber transceivers, etc.)	TBD	
LG Point of Contact Information		
LG Sales Manager	Name TBD	
	Phone Number TBD	
	Email Address TBD	
LG Solution Architect	Name Anthony Gillespie	
	Phone Number 702-277-7360	
	Email Address anthony.gillespie@lge.com	
LG Business Solutions Support	Phone Number 888-865-3026	
System Integrator Point of Contact Information		
SI Point of Contact	Name TBD	
	Phone Number TBD	
	Email Address TBD	
	Company Name TBD	
End User Information		
End User Information	Name TBD	
	Phone Number TBD	
	Email Address TBD	
	Company Name TBD	

For Discussion
Purposes Only

LSBE-G245GV - Screen Dimensions

10W x 5H of LSBE015-GD



LSBE 1.5mm Specifications		LSBE015-GD
Physical Parameters	Pixel Configuration	Single SMD
	Pixel Pitch (mm)	1.56
	Module Resolution (WxH)	192x216
	Module Dimension (WxH, mm)	300x337.5
	Weight per Module (kg)	.95
	No. of Modules per Unit Case (WxH)	2x1
	Unit Case Resolution (WxH)	384x216
	Unit Case Dimensions (WxHxD, mm)	600x337.5x72
	Unit Case Surface Area (m²)	0.2
	Weight per Unit Case (kg/unit)	6.5
	Weight per Square Meter (kg/m²)	32
	Physical Pixel Density (pixels/m²)	409,600
	Unit Case Material	Die-cast Aluminum
	Service Access	Front
Optical Specifications	Min. Brightness (After Calibration)	600
	Color Temperature	3,200 ~9,300
	Visual Viewing Angle (HxV)	160 x 150
	Brightness Uniformity	97%
	Color Uniformity	±0.003Cx,Cy
	Contrast Ratio	5,000:1
	Processing Depth (bit)	14
Electrical Specifications	Power Consumption (W/Unit, Max)	107
	Power Consumption (W/Unit, Avg.)	45
	Power Consumption (W/m², Max)	530
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50/60
	Refresh Rate (Hz)	3,840
Electrical Specifications	Lifetime (Half Brightness, hrs)	100,000
	Operating Temperature	-20°C to +40°C
	Operating Humidity	10-80%RH
Certification		CE, FCC, cTUVus, CB, KC, CCC, EMC Class A, EN13501-1
Environment		RoHS/REACH

Total 10Wx5H Wall (Total 50 Cabinets):
*below info does not include mounting structure
Dimensions: 6000mm W x 1687.5mm H x 72mm D
(236.22" W x 66.44" H x 2.84" D)
Weight: 325 kg/716.50 lbs
Power: (100V/240V)
Max: 5350W
Average: 2250W
BTUs per hour: 18255 Max – 7678 Avg
Resolution: 3840 Pixels W x 1080 Pixels H
Total Number of 10Wx5H LED Walls: 1

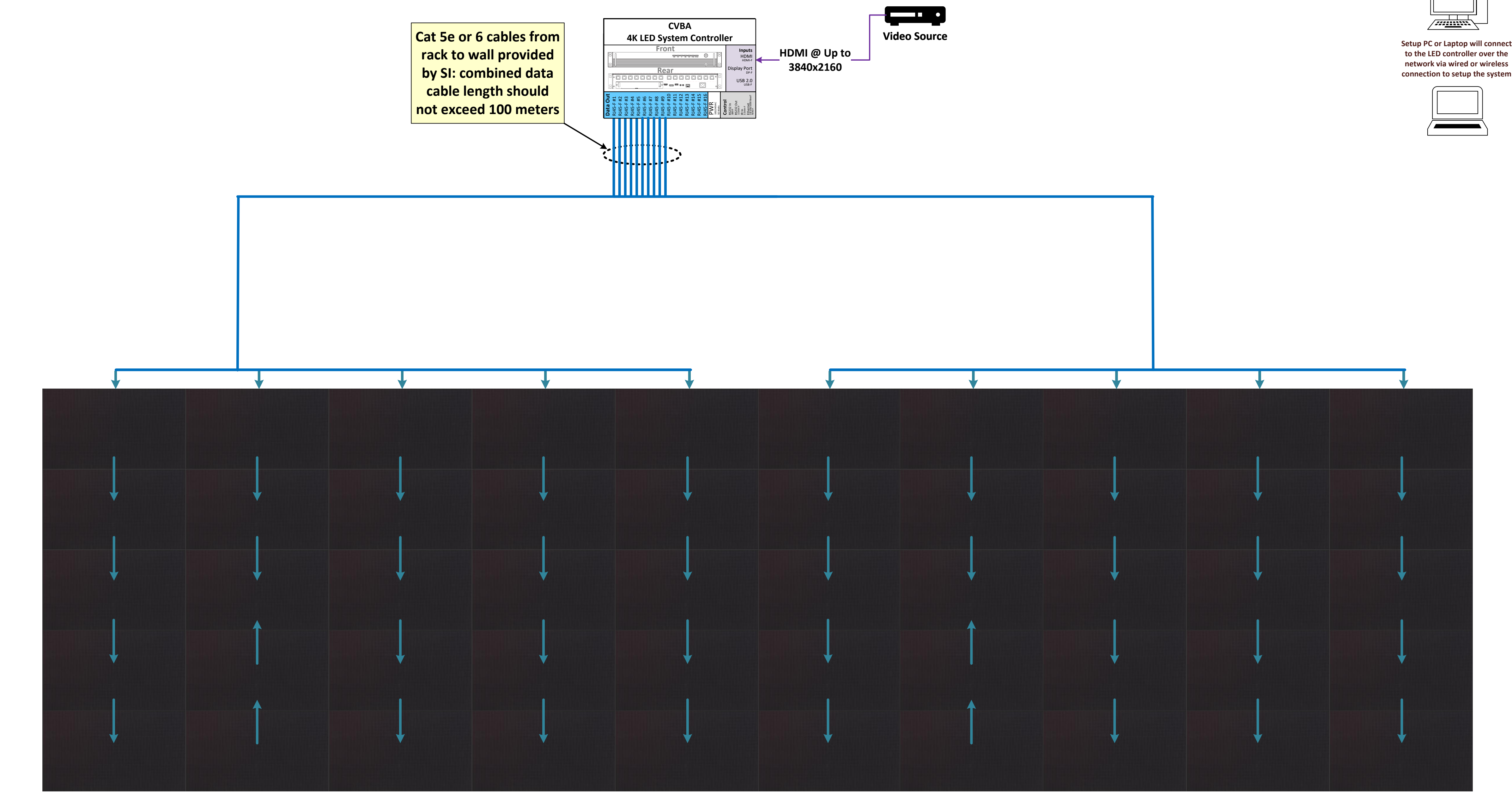
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	LSBE-G245GV TAA Bundled Display			
	Screen Dimensions			
DV LED			Product LSBE-G245GV	REV 2
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LSBE-G245GV – Data Mapping

10W x 5H of LSBE015-GD



LSBE 1.5mm Specifications		LSBE015-GD
Physical Parameters	Pixel Configuration	Single SMD
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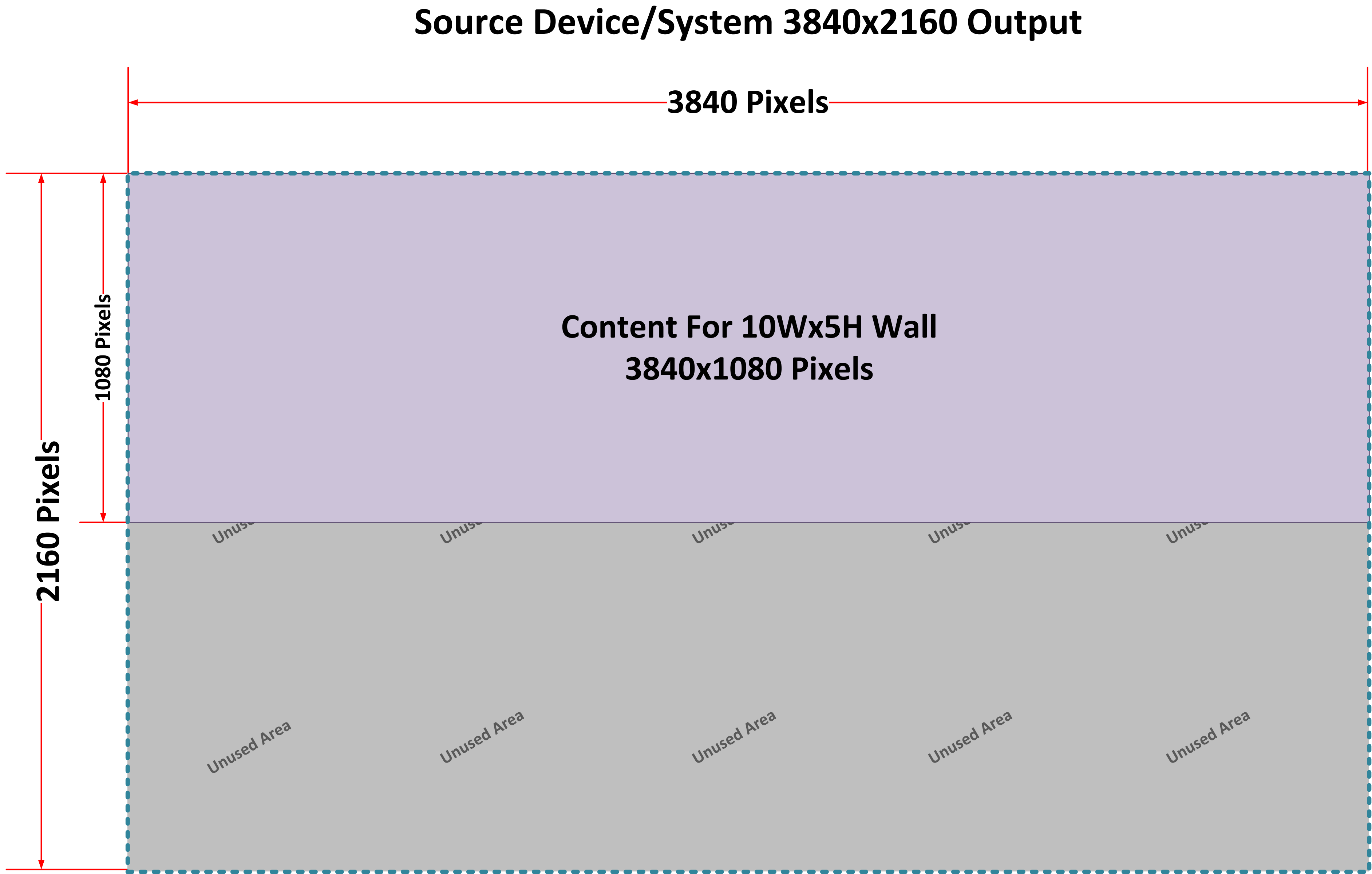
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For Discussion
Purposes Only

	LSBE-G245GV TAA Bundled Display			
	Data Mapping			
DV LED			Product LSBE-G245GV	REV 2
			SHEET	4 OF 14

LSBE-G245GV – Content Mapping

10W x 5H of LSBE015-GD



Please note – The CVBA controller must be fed a standard resolution input; supported input resolutions are listed in the appendix pages of this document. The above content map depicts how the LED wall will line up to a standard 3840x2160 input from the source with scaling on the controller disabled.

LSBE 1.5mm Specifications

LSBE015-GD

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	Module Dimension (WxH, mm)	300x337.5
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Environment		RoHS/REACH

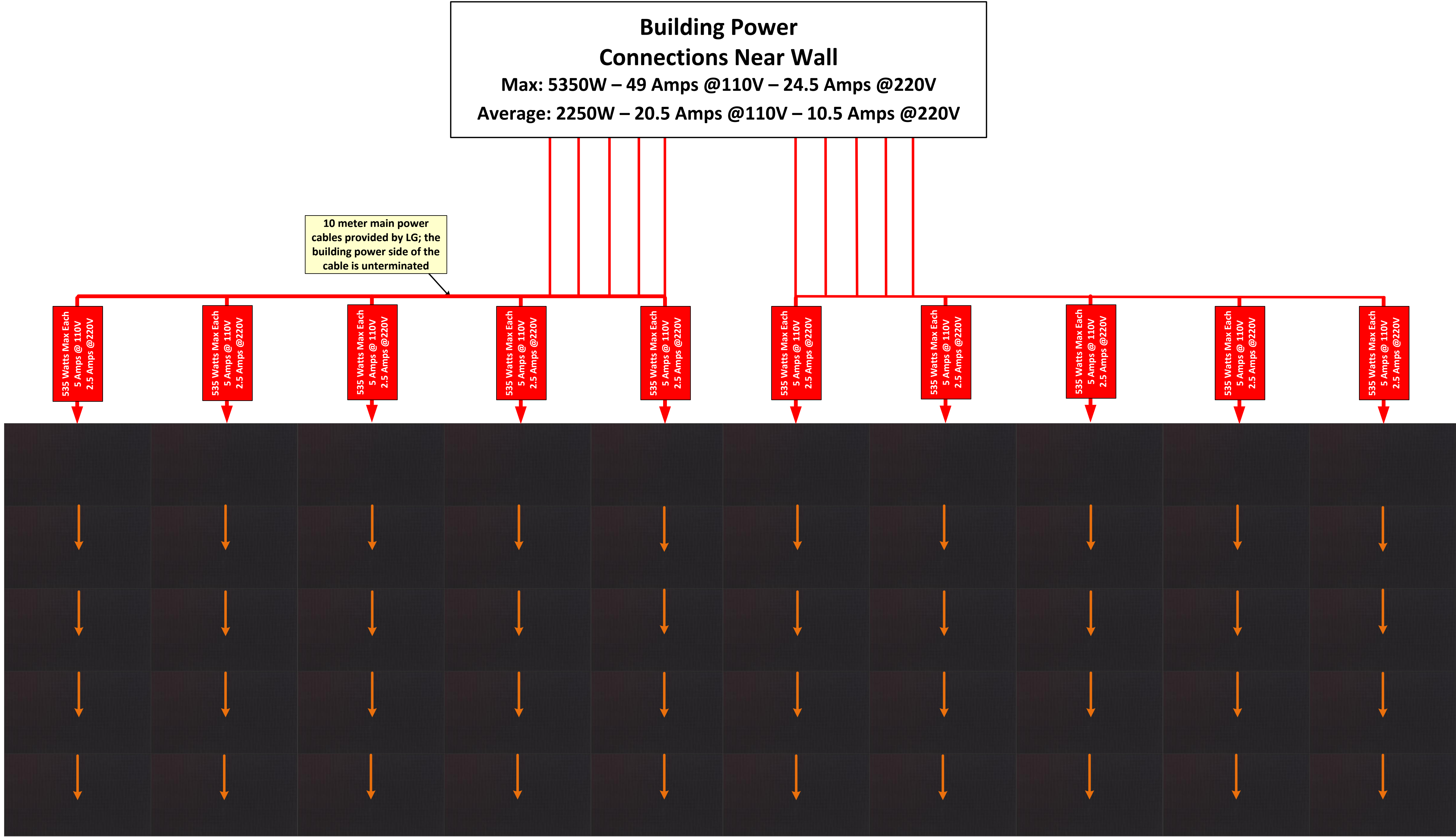
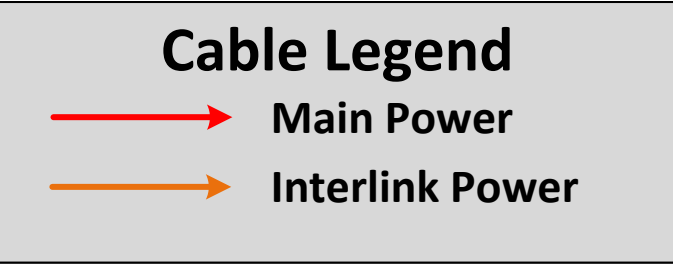
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For Discussion
Purposes Only

	LSBE-G245GV TAA Bundled Display			
	Content Mapping			
DV LED			Product LSBE-G245GV	REV 2
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LSBE-G245GV – Power Mapping

10W x 5H of LSBE015-GD



LSBE 1.5mm Specifications

LSBE015-GD

Physical Parameters	Pixel Configuration	Single SMD
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Viewed From Front of Wall

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LG Life's Good	LSBE-G245GV TAA Bundled Display			
	Power Mapping			
DV LED			Product LSBE-G245GV	REV 2
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LED Cabinet Images

LSBE015-GD



LSBE 1.5mm Specifications

LSBE015-GD

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Environment		RoHS/REACH

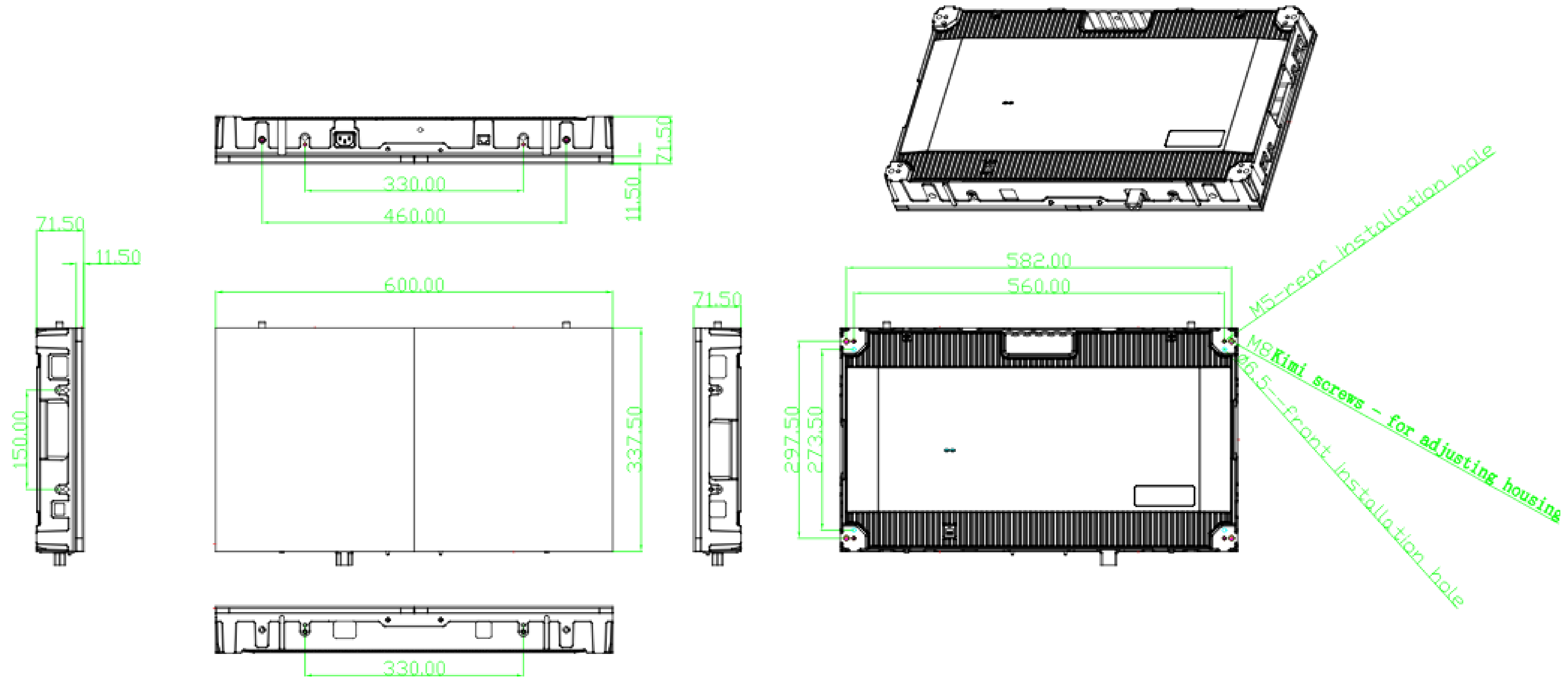
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	LSBE-G245GV TAA Bundled Display			
	LED Cabinet Images			
DV LED			Product LSBE015-GD	REV 2
			SHEET	7 OF 14

LED Cabinet Dimensions LSBE015-GD



LSBE 1.5mm Specifications

.SBE015-GD

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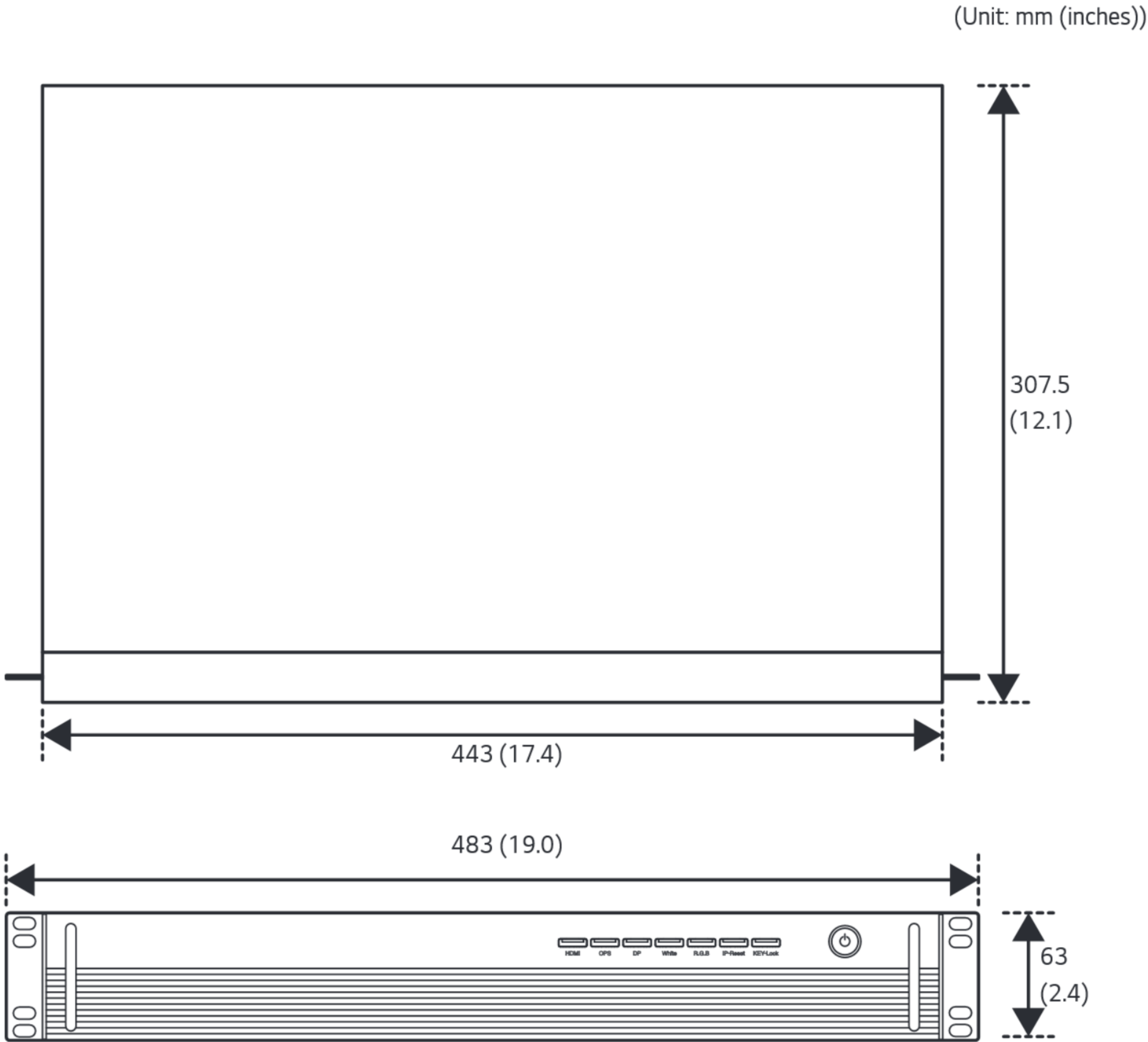
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	LSBE-G245GV TAA Bundled Display		
	LED Cabinet Dimensions		
DV LED			Product LSBE015-GD
			REV 2
			SHEET 8 OF 14

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LED Controller Dimensions

CVBA



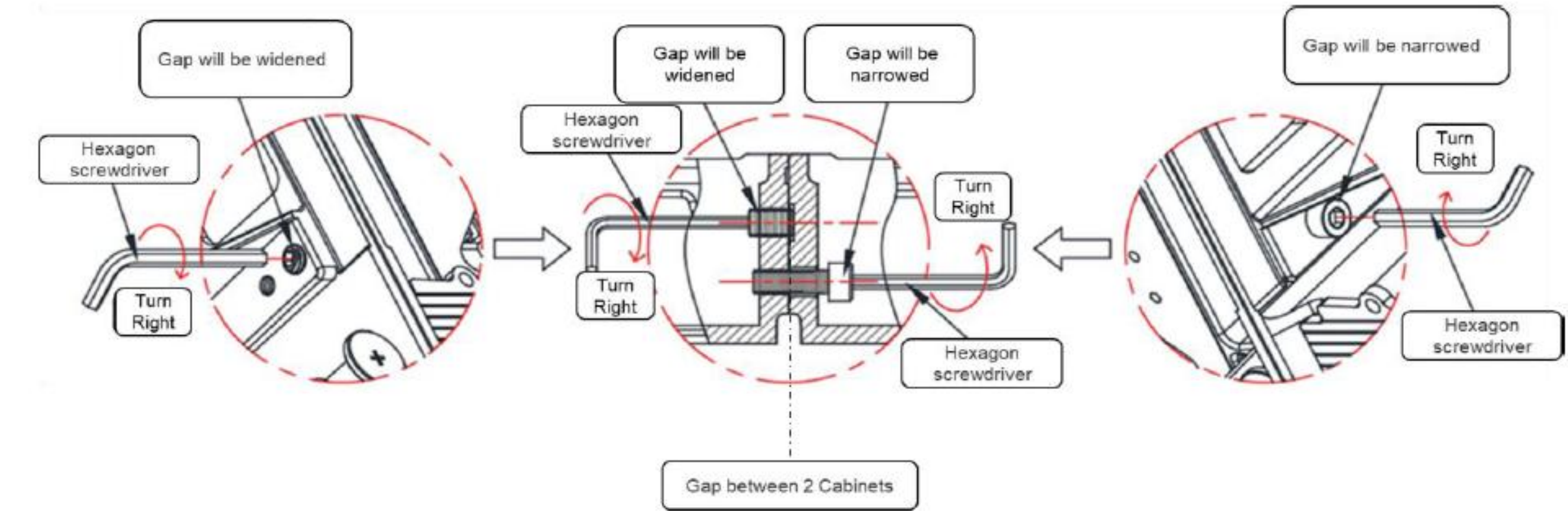
CVBA Specifications

Compatibility	Compatible Product	LSBE
Resolution	Loading Capacity	3840x2160@60Hz
	Max Output Range	3840x2160
	Output Resolution	8.244 Million Pixels
	Pixel Limit Per Port	518,400
Input	HDMI	1x HDMI 2.0
	HDCP	HDCP 2.2
	DP	DP 1.2
	DVI	No
	SDI	No
Output	HDMI	No
	DP	No
	DVI	No
	Optical	No
	Ethernet	16 Channels
Control	LAN	Yes
	USB	No
	RS-232C	Yes In/Loop Out
Sensor	Brightness	No
	Temperature	Yes
Video Processing	Brightness Adjustment	Yes
	Chroma Adjustment	Yes
	Improved Grayscale at Low Brightness	Yes
	Scaling	Yes
	HDR	HDR / HDR 10Pro
Application	CMS	SuperSign CMS
	WebOS	Yes - 4.1
	Signage365 Care	Yes
	Configuration Software	LED Assistant
Other	Custom EDID	No
	Signal Redundancy	Yes
Mechanical	Dimensions (W x H x D) mm	443 x 63 x 298
	Weight Kg	4.5

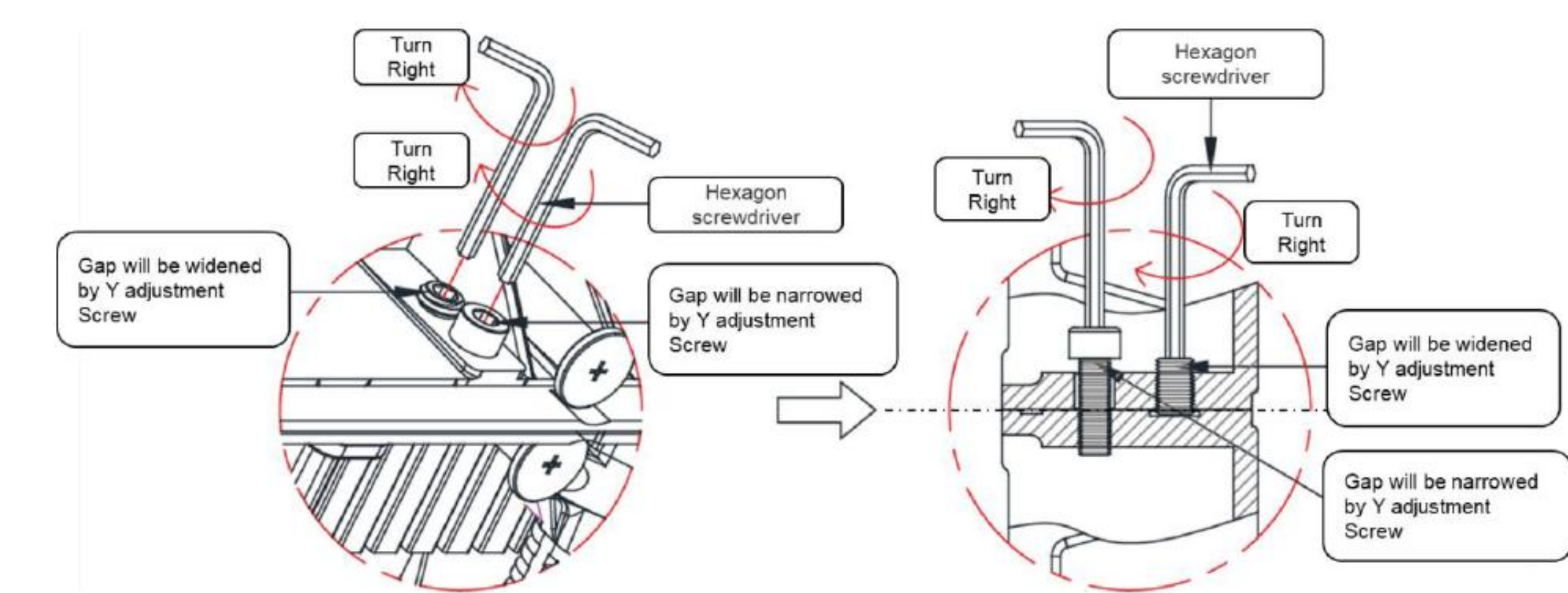
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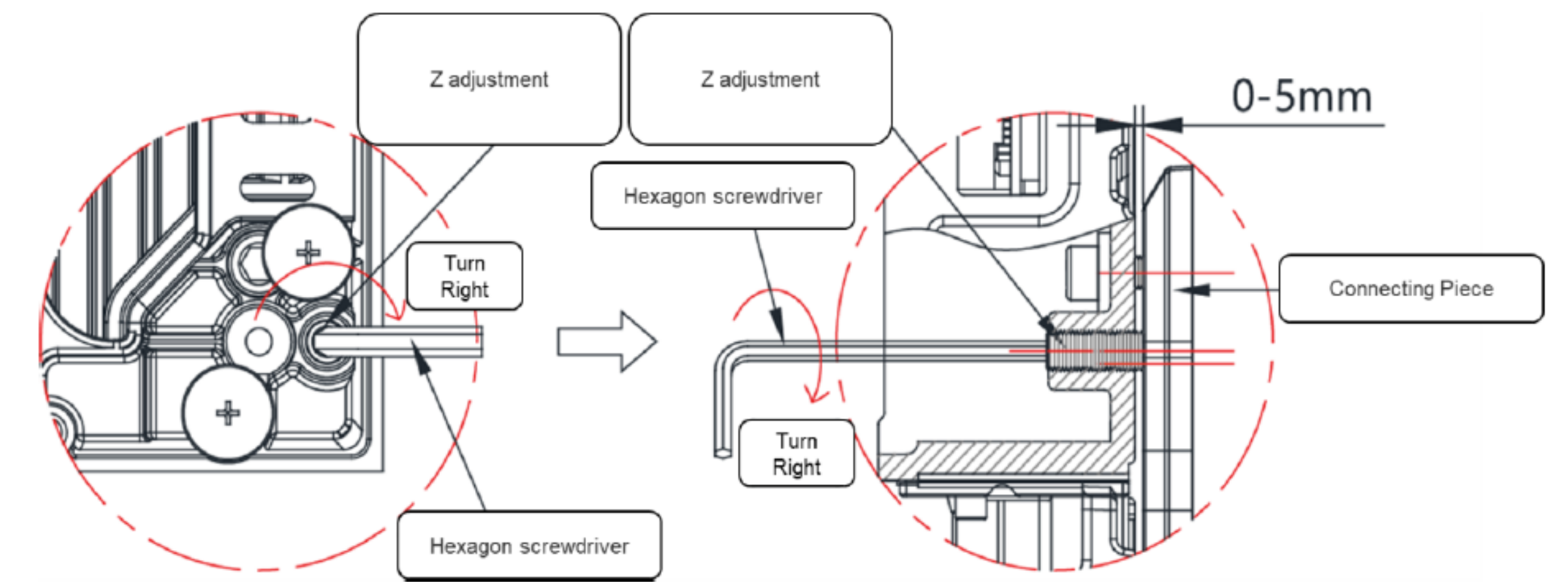
Appendix:
A. LSBE 1.5mm X, Y and Z Axis Cabinet Adjustments



① **X-direction adjustment:** there are a M5 x12mm cylindrical head screw and a M6 hexagon socket head screw on the right side of the display unit, both of which are X-direction adjustment screws. X-direction adjustment can adjust the gap between the left and right cabinet. See the following guide of performing X-direction adjustment.

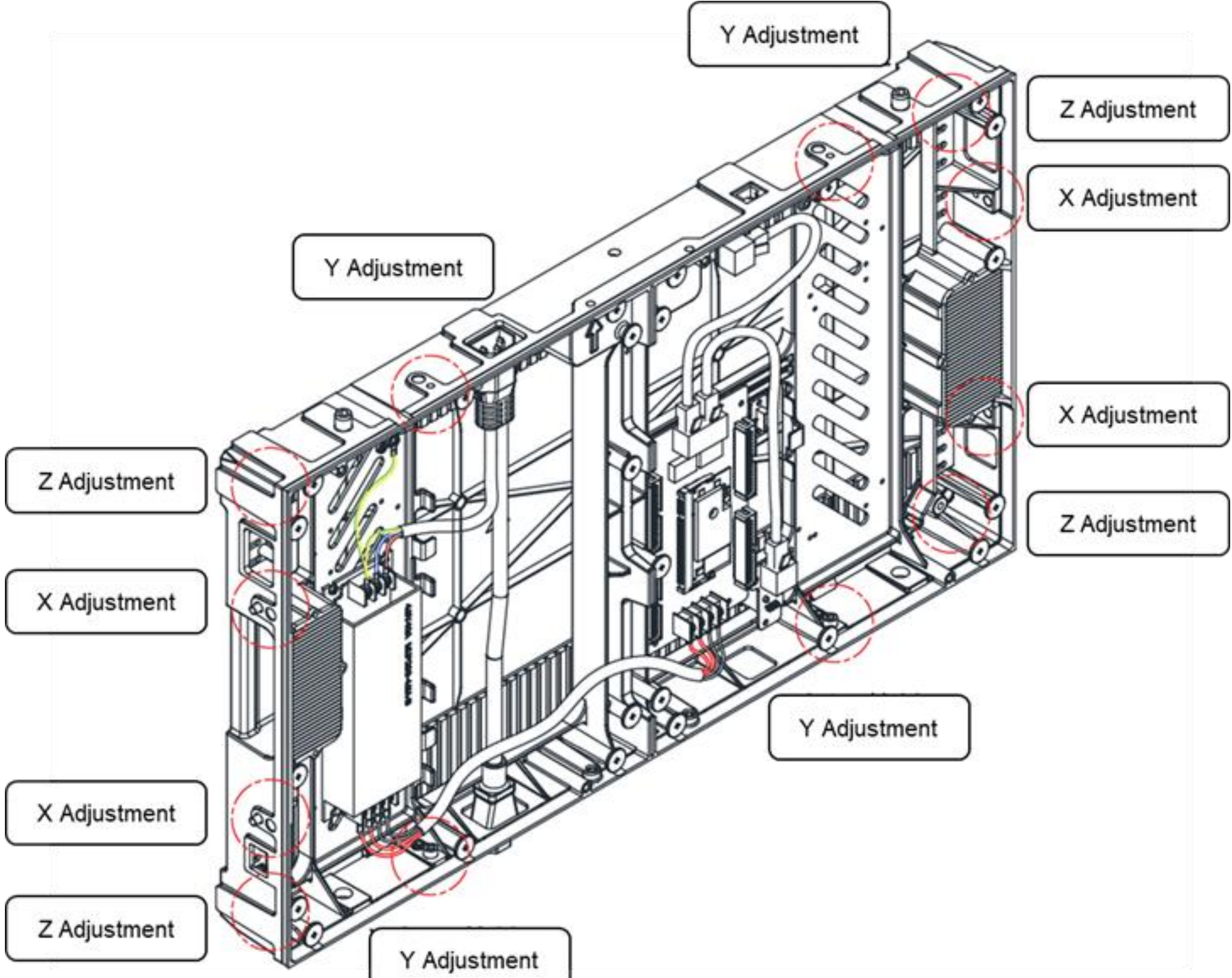


② **Y-direction adjustment:** there are an M5*12mm round head screw and an M6 hexagon socket head screw on the left and right sides of the display unit, both of which are Y-direction adjustment screws. The Y-direction adjustment function mainly adjusts the gap between the upper and lower display units. See below the steps to perform Y adjustment.



③ **Z-direction adjustment:** Z adjustment can adjust the flatness between the units caused by the installation, the adjustment range is between 0 and 5 mm. See the figure below for details.

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< 6-direction adjustment of cabinet >

The 6-adjustment function is used to improve the installation accuracy.

X- direction adjustment.
Screw for X-direction adjustment is located on the left and right sides of the cabinet to adjust the gap between the cabinets.

Y- direction adjustment.
Screw for Y-direction adjustment is located on the upper and lower sides of the cabinet to adjust the gap between the upper and lower cabinets.

Z- direction adjustment.
Z-direction adjustment is located at the 4 corners of the cabinet. Z-direction adjustment helps you improve the flatness of screen.

① **X-direction adjustment:** there are a M5 x12mm cylindrical head screw and a M6 hexagon socket head screw on the right side of the display unit, both of which are X-direction adjustment screws. X-direction adjustment can adjust the gap between the left and right cabinet. See the following guide of performing X-direction adjustment.

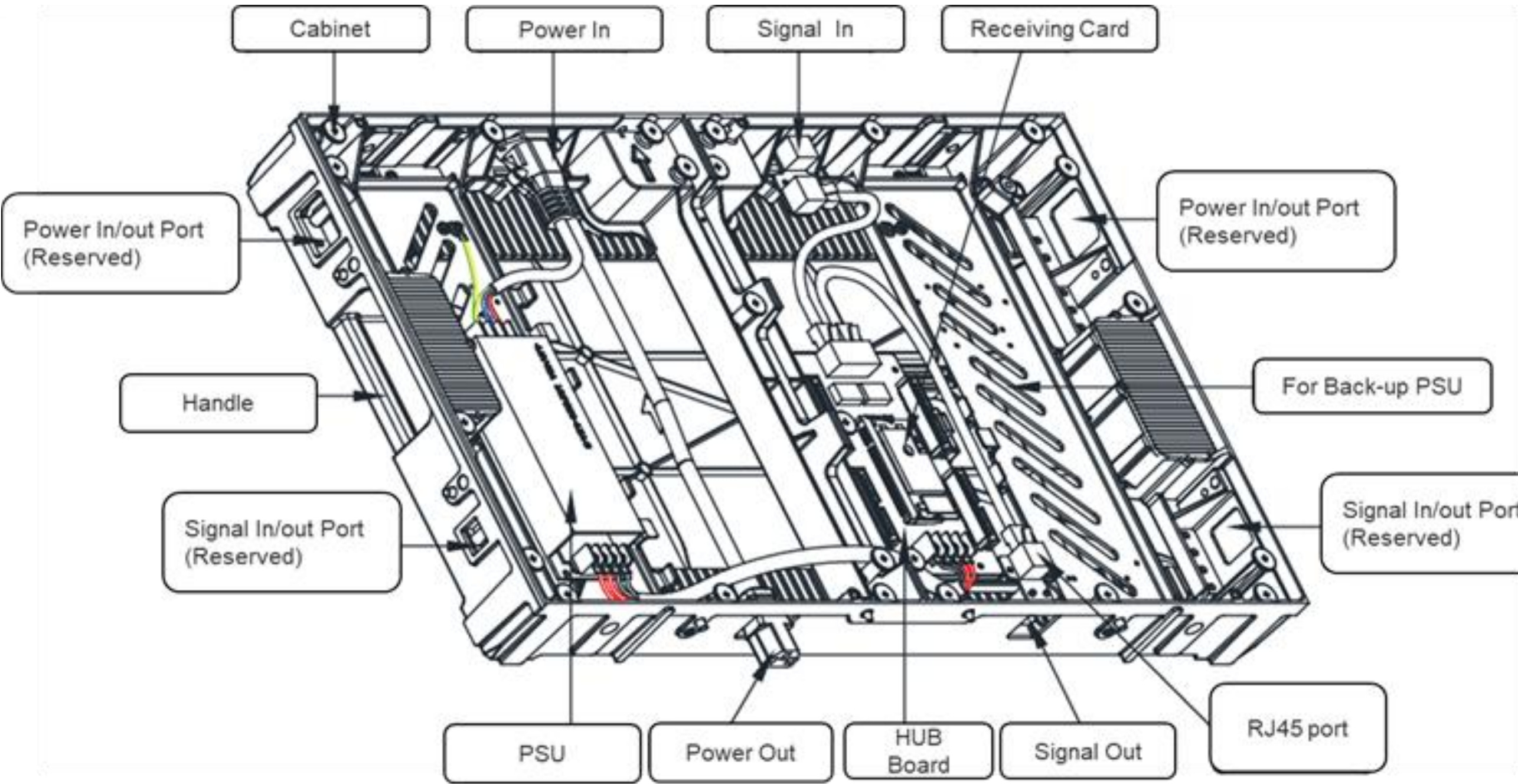
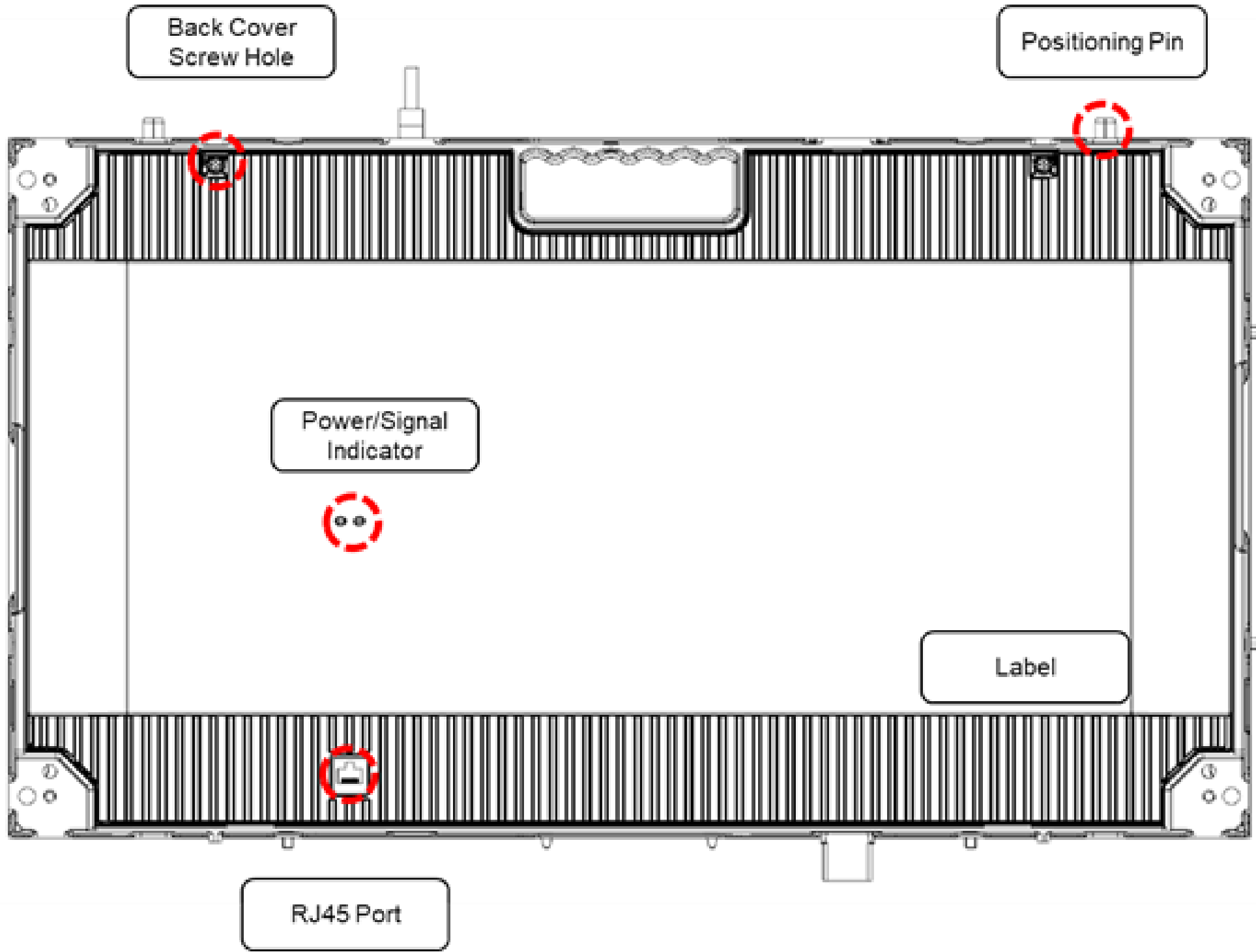
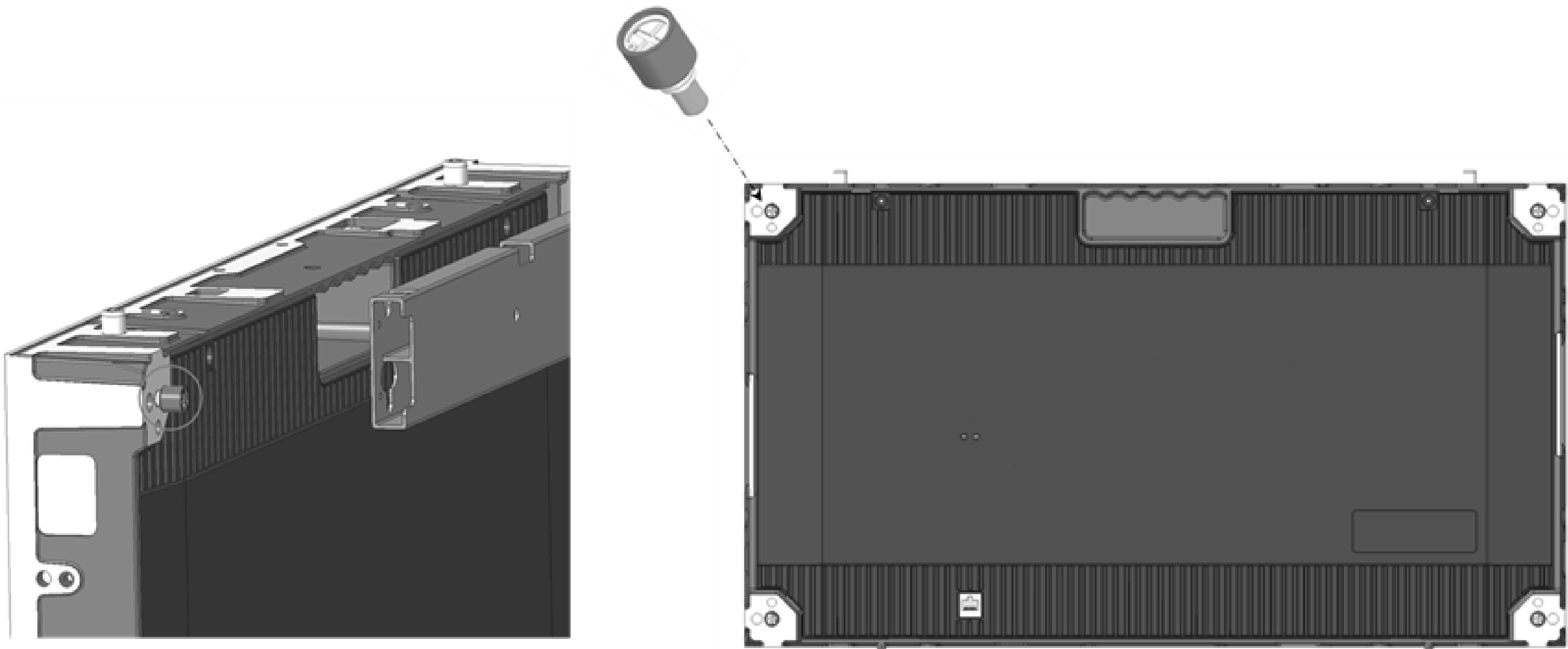
LSBE 1.5mm Specifications		LSBE015-GD
Physical Parameters	Pixel Configuration	Single SMD
	Pixel Pitch (mm)	1.56
	Module Resolution (WxH)	192x216
	Module Dimension (WxH, mm)	300x337.5
	Weight per Module (kg)	.95
	No. of Modules per Unit Case (WxH)	2x1
	Unit Case Resolution (WxH)	384x216
	Unit Case Dimensions (WxHxD, mm)	600x337.5x72
	Unit Case Surface Area (m²)	0.2
	Weight per Unit Case (kg/unit)	6.5
	Weight per Square Meter (kg/m²)	32
	Physical Pixel Density (pixels/m²)	409,600
	Unit Case Material	Die-cast Aluminum
Optical Specifications	Service Access	Front
	Min. Brightness (After Calibration)	600
	Color Temperature	3,200 ~9,300
	Visual Viewing Angle (HxV)	160 x 150
	Brightness Uniformity	97%
	Color Uniformity	±0.003Cx,Cy
	Contrast Ratio	5,000:1
Electrical Specifications	Processing Depth (bit)	14
	Power Consumption (W/Unit, Max)	107
	Power Consumption (W/Unit, Avg.)	45
	Power Consumption (W/m², Max)	530
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50/60
	Refresh Rate (Hz)	3,840
Electrical Specifications	Lifetime (Half Brightness, hrs)	100,000
	Operating Temperature	-20°C to +40°C
	Operating Humidity	10-80%RH
Certification		CE, FCC, cTUVus, CB, KC, CCC, EMC Class A, EN13501-1
Environment		RoHS/REACH

Total 10Wx5H Wall (Total 50 Cabinets):
*below info does not include mounting structure
Dimensions: 6000mm W x 1687.5mm H x 72mm D
(236.22" W x 66.44" H x 2.84" D)
Weight: 325 kg/716.50 lbs
Power: (100V/240V)
Max: 5350W
Average: 2250W
BTUs per hour: 18255 Max – 7678 Avg
Resolution: 3840 Pixels W x 1080 Pixels H
Total Number of 10Wx5H LED Walls: 1

For Discussion
Purposes Only

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Appendix:
B. LSBE 1.5mm Features



LSBE 1.5mm Specifications		LSBE015-GD
Physical Parameters	Pixel Configuration	Single SMD
	Pixel Pitch (mm)	1.56
	Module Resolution (WxH)	192x216
	Module Dimension (WxH, mm)	300x337.5
	Weight per Module (kg)	.95
	No. of Modules per Unit Case (WxH)	2x1
	Unit Case Resolution (WxH)	384x216
	Unit Case Dimensions (WxHxD, mm)	600x337.5x72
	Unit Case Surface Area (m²)	0.2
	Weight per Unit Case (kg/unit)	6.5
	Weight per Square Meter (kg/m²)	32
	Physical Pixel Density (pixels/m²)	409,600
	Unit Case Material	Die-cast Aluminum
	Service Access	Front
Optical Specifications	Min. Brightness (After Calibration)	600
	Color Temperature	3,200 ~9,300
	Visual Viewing Angle (HxV)	160 x 150
	Brightness Uniformity	97%
	Color Uniformity	±0.003Cx,Cy
	Contrast Ratio	5,000:1
	Processing Depth (bit)	14
Electrical Specifications	Power Consumption (W/Unit, Max)	107
	Power Consumption (W/Unit, Avg.)	45
	Power Consumption (W/m², Max)	530
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50/60
	Refresh Rate (Hz)	3,840
Electrical Specifications	Lifetime (Half Brightness, hrs)	100,000
	Operating Temperature	-20°C to +40°C
	Operating Humidity	10-80%RH
Certification		CE, FCC, cTUVus, CB, KC, CCC, EMC Class A, EN13501-1
Environment		RoHS/REACH

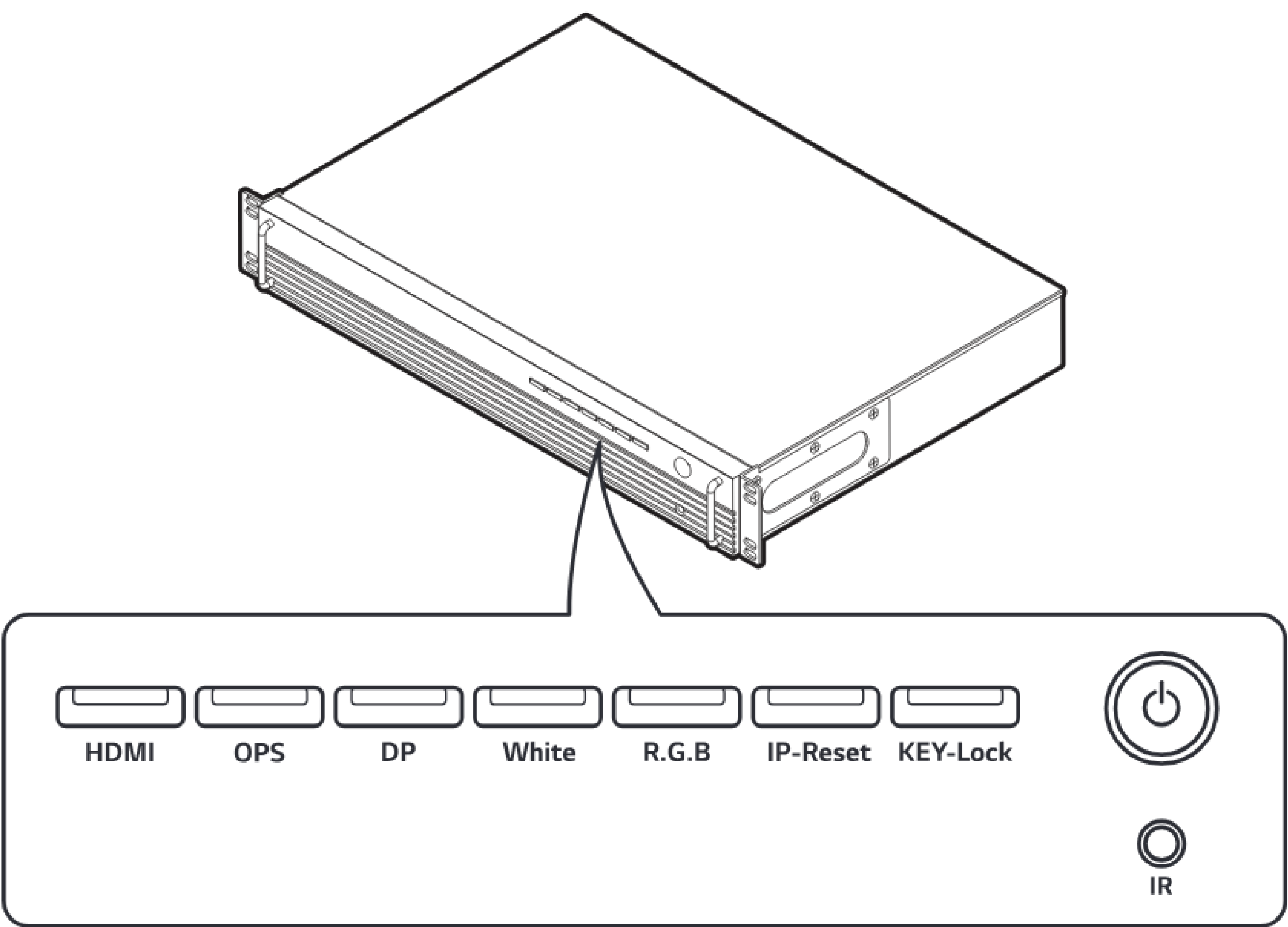
Total 10Wx5H Wall (Total 50 Cabinets):
*below info does not include mounting structure
Dimensions: 6000mm W x 1687.5mm H x 72mm D
(236.22" W x 66.44" H x 2.84" D)
Weight: 325 kg/716.50 lbs
Power: (100V/240V)
Max: 5350W
Average: 2250W
BTUs per hour: 18255 Max – 7678 Avg
Resolution: 3840 Pixels W x 1080 Pixels H
Total Number of 10Wx5H LED Walls: 1

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Appendix:

C. CVBA Front Panel Controls



	Explanation
	Turns the power on and off.
HDMI	Switches to HDMI input.
OPS	Switches to OPS input.
DP	Switches to DP input.
White	Accesses/Exits White Pattern.
R.G.B	Consecutively accesses/exits R/G/B Pattern.
IP-Reset	Press and hold for 3 seconds or more to set the IP address to 192.168.0.101.
KEY-Lock	Press and hold for 3 seconds or more to access/exit Key Lock.

! NOTE

- If you press **White** or **R.G.B** to access the corresponding pattern, HDMI/OPS/DP screen will not be available. If you want to switch to the external input screen, repeatedly press the button until you exit from the pattern.

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CVBA Specifications

Compatibility	Compatible Product	LSBE
Resolution	Loading Capacity	3840x2160@60Hz
	Max Output Range	3840x2160
	Output Resolution	8.244 Million Pixels
	Pixel Limit Per Port	518,400
Input	HDMI	1x HDMI 2.0
	HDCP	HDCP 2.2
	DP	DP 1.2
	DVI	No
	SDI	No
Output	HDMI	No
	DP	No
	DVI	No
	Optical	No
	Ethernet	16 Channels
Control	LAN	Yes
	USB	No
	RS-232C	Yes In/Loop Out
Sensor	Brightness	No
	Temperature	Yes
Video Processing	Brightness Adjustment	Yes
	Chroma Adjustment	Yes
	Improved Grayscale at Low Brightness	Yes
	Scaling	Yes
	HDR	HDR / HDR 10Pro
Application	CMS	SuperSign CMS
	WebOS	Yes - 4.1
	Signage365 Care	Yes
	Configuration Software	LED Assistant
Other	Custom EDID	No
	Signal Redundancy	Yes
Mechanical	Dimensions (W x H x D) mm	443 x 63 x 298
	Weight Kg	4.5

For Discussion
Purposes Only

	LSBE-G245GV TAA Bundled Display			
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Appendix:
D. CVBA Supported Input Resolutions

HDMI/DisplayPort/OPS (PC) Support Mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
800 x 600	37.879	60.317
1024 x 768	48.363	60.0
1280 x 720	44.772	59.855
1280 x 1024	63.981	60.02
1680 x 1050	65.290	59.954
1920 x 1080	67.5	60
3840 x 2160	67.5	30
3840 x 2160	135	60

HDMI/DisplayPort/OPS (DTV) Support Mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
480/60p	31.5	60
576/50p	31.25	50
720/50p	37.5	50
720/60p	45	60
1080/50i	28.1	50
1080/60i	33.75	60
1080/50p	56.25	50
1080/60p	67.432	59.94
1080/60p	67.5	60
2160/30p	67.5	30
2160/50p	112.5	50
2160/60p	135	60

CVBA Specifications

Compatibility	Compatible Product	LSBE
Resolution	Loading Capacity	3840x2160@60Hz
	Max Output Range	3840x2160
	Output Resolution	8.244 Million Pixels
	Pixel Limit Per Port	518,400
Input	HDMI	1x HDMI 2.0
	HDCP	HDCP 2.2
	DP	DP 1.2
	DVI	No
	SDI	No
Output	HDMI	No
	DP	No
	DVI	No
	Optical	No
	Ethernet	16 Channels
Control	LAN	Yes
	USB	No
	RS-232C	Yes In/Loop Out
Sensor	Brightness	No
	Temperature	Yes
Video Processing	Brightness Adjustment	Yes
	Chroma Adjustment	Yes
	Improved Grayscale at Low Brightness	Yes
	Scaling	Yes
	HDR	HDR / HDR 10Pro
Application	CMS	SuperSign CMS
	WebOS	Yes - 4.1
	Signage365 Care	Yes
	Configuration Software	LED Assistant
Other	Custom EDID	No
	Signal Redundancy	Yes
Mechanical	Dimensions (W x H x D) mm	443 x 63 x 298
	Weight Kg	4.5

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LSBE-G245GV TAA Bundled Display

Appendix D

DV LED

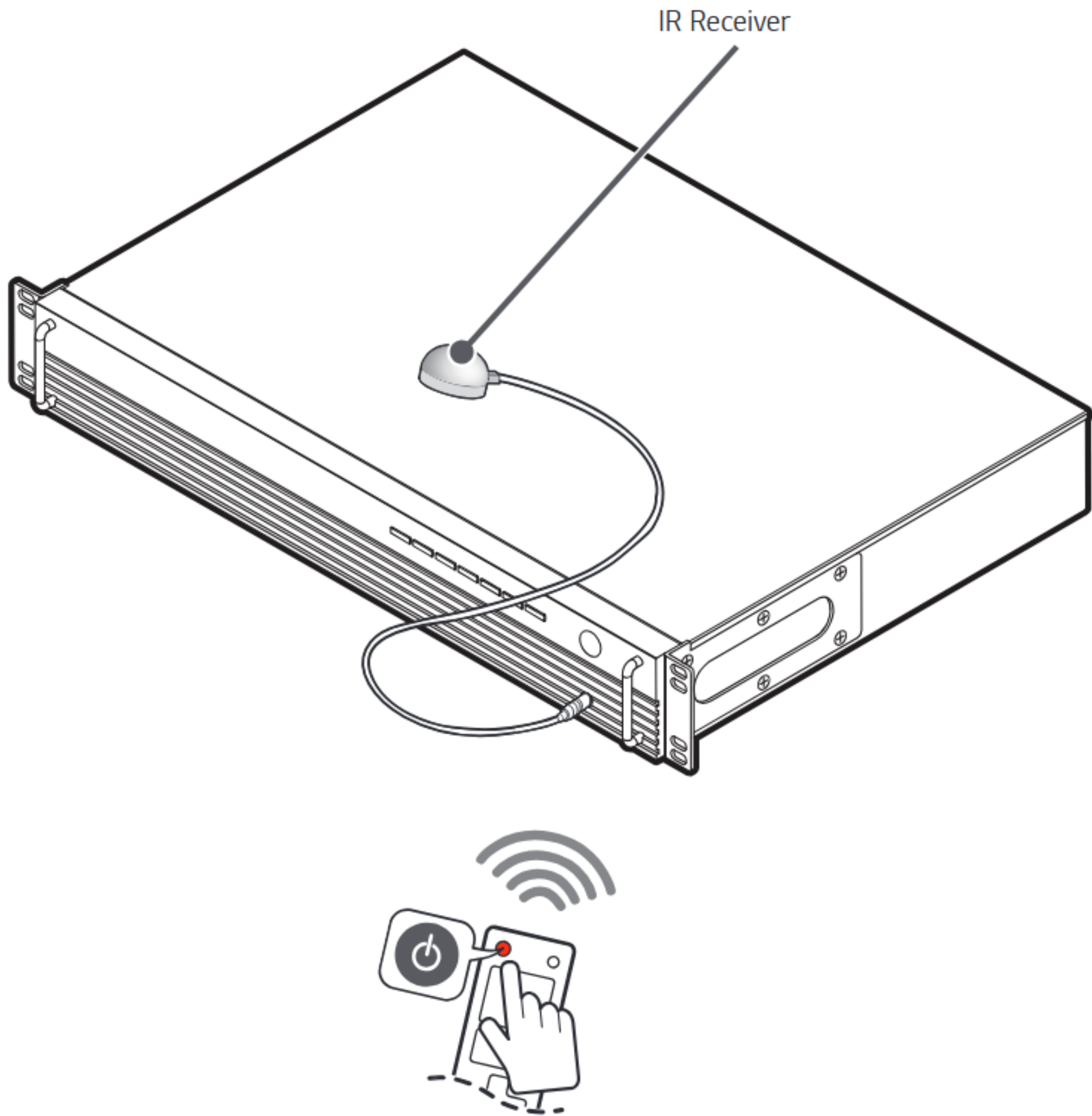
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Appendix:
E. CVBA Optional IR Control



- ⏻ (POWER)** Turns the monitor on or off.
- MONITOR ON** Turns the monitor on.
- MONITOR OFF** Turns the monitor off.
- ENERGY SAVING** Adjusts the brightness of the picture to reduce energy consumption.
- ⏻ (INPUT)** Selects the input mode.
- 3D** Turns the display layout pattern on.
- Number and Alphabet buttons** Enters numerical or alphabetical characters depending upon the setting.
- 1/a/A** Toggles between numerical and alphabetical.
- CLEAR** Deletes the entered numerical or alphabetical character.
- ⏮ ⏭ (Volume Up/Down Button)** Adjusts the volume.
- ARC** Selects the Aspect Ratio mode.
- AUTO** Automatically adjusts picture position and minimizes image instability (available for RGB input only).
- 🔊 (MUTE)** Mutes all sounds.
- BRIGHTNESS** Adjusts the brightness of the display.
- PAGE** The function is not supported in this model.
- PSM** Selects the Picture Mode.
- 🏠 (HOME)** Activates the Launcher.
- W.BAL** Enters the White Balance menu.
- ⚙️ (SETTINGS)** Accesses the main menus or saves your input and exit menus.
- 📺 S.MENU** SuperSign menu key.
- ⬅ ➡ ⬅ ➡ (Navigation Buttons)** Scrolls through menus or options.
- ⏹ OK** Selects menus or options and confirms your input.
- ⬅ (BACK)** Allows you to move back one step in the user interaction function. Quit all OSD tasks and applications.
- 🔗 SIMPLINK** Allows you to control various multimedia devices to enjoy multimedia simply by using the remote control through the Simplink menu.
- TILE** Selects the TILE Mode.
- PICTURE ID ON/OFF** When the Picture ID number matches the Set ID number, you can control whichever monitor you want in multi-display format.
- ⏮ ⏪ ⏩ ⏭ (USB Menu Control Buttons)** Controls media playback.(May not be supported on some models.)

CVBA Specifications

Compatibility	Compatible Product	LSBE
Resolution	Loading Capacity	3840x2160@60Hz
	Max Output Range	3840x2160
	Output Resolution	8.244 Million Pixels
	Pixel Limit Per Port	518,400
Input	HDMI	1x HDMI 2.0
	HDCP	HDCP 2.2
	DP	DP 1.2
	DVI	No
	SDI	No
Output	HDMI	No
	DP	No
	DVI	No
	Optical	No
	Ethernet	16 Channels
Control	LAN	Yes
	USB	No
	RS-232C	Yes In/Loop Out
Sensor	Brightness	No
	Temperature	Yes
Video Processing	Brightness Adjustment	Yes
	Chroma Adjustment	Yes
	Improved Grayscale at Low Brightness	Yes
	Scaling	Yes
	HDR	HDR / HDR 10Pro
Application	CMS	SuperSign CMS
	WebOS	Yes - 4.1
	Signage365 Care	Yes
	Configuration Software	LED Assistant
Other	Custom EDID	No
	Signal Redundancy	Yes
Mechanical	Dimensions (W x H x D) mm	443 x 63 x 298
	Weight Kg	4.5

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