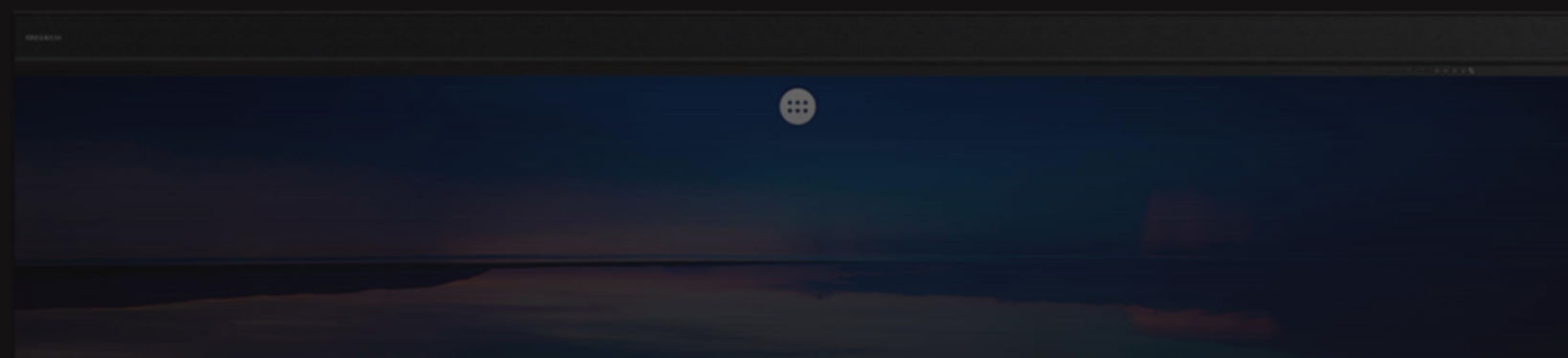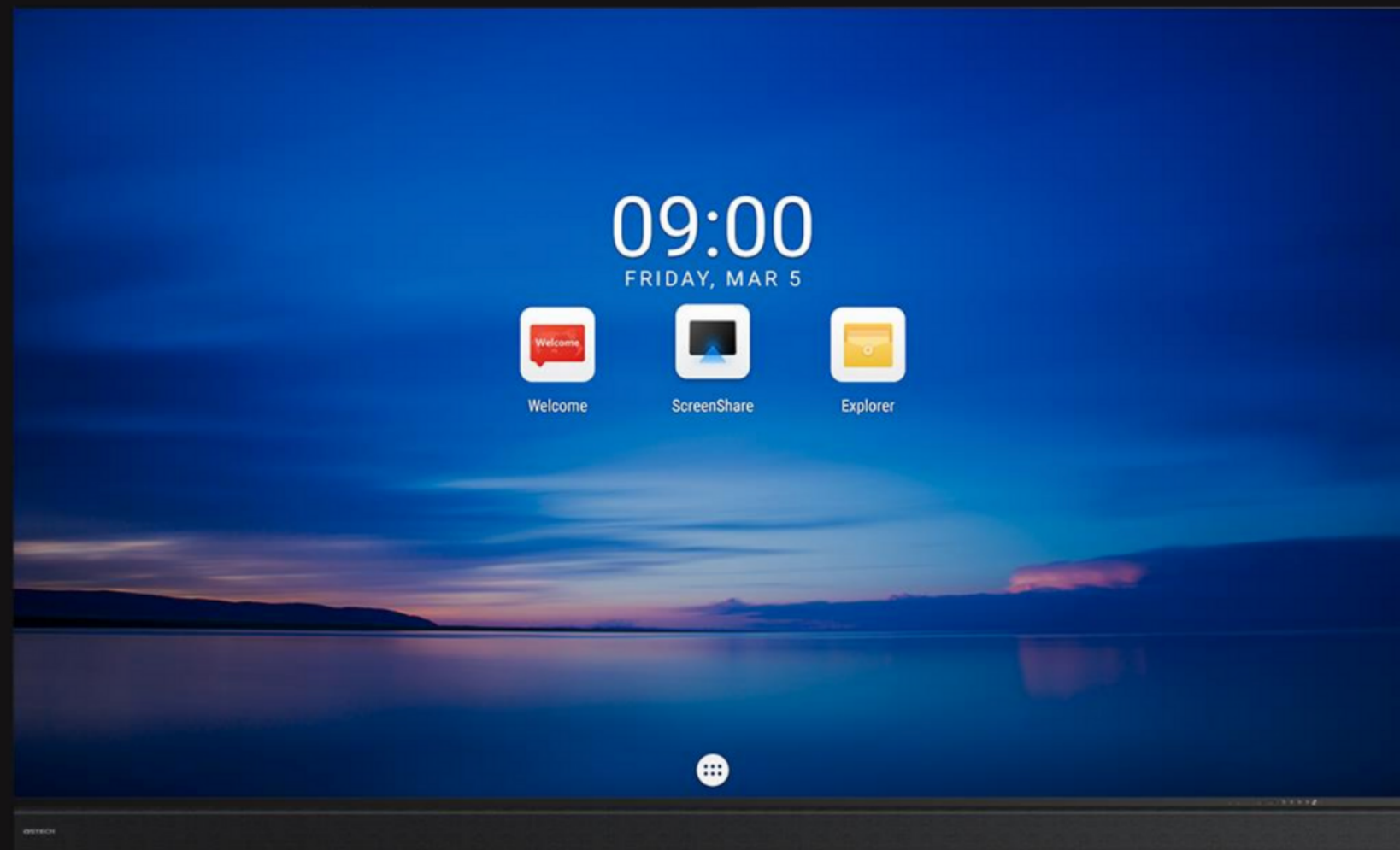# HyperLED

HyperWall-12013   HyperWall-12020

All-In-One Large Format LED Display Console

120"

HyperWall

All-In-One Large Format LED Display Console

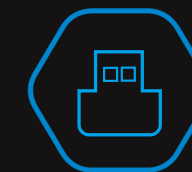**1920*1080 Resolution**

Plug-and-Play Operation

Remote Control

Multi-window

OSD Menu

Built-in Smart System

USB Reading

Integration of audio and video

HYPERLED®

Screen Size Options

HyperWall
120" | 138" | 165" | 220"

16:9

HyperWall
199" | 249" | 299"

32:9

220"4k

165"

138"

120"

299"

249"

199"

About the Product

HYPERLED®

95% Screen Surface

Ultra-thin
110mm Bezel

Sleek Screw-less Fabric Design

About the Product

Adaptive Brightness

- Intelligent Auto-Adjustment
- User-Friendly

Port Type-C

- Ultra-Fast Storage Access

Front Buttons and Ports

- Easy Access
- User-Centric Design

HYPERLED®

About the Product

- Fully Integrated 2X30W Speakers
- Vibration Absorption System
- Frequency 180Hz- 20000Hz | 90dB

HYPERLED®

Highly Integrated

- Quick and Simple Installation
- Easily Front Serviceable
- Higher Reliability

HYPERLED®

Receiving Unit:
- Power supply
- Receiving Card
- HUB Board

I/O Ports:
- 3x HDMI Inputs
- 1x HDMI Output
- 1x Optical Audio Port
- 2x Audio 3.5mm
- 1x RS232
- 1x Wi-Fi 2.4G - 5G
- 1x LAN Port
- 1x USB - Type C
- 1x USB 2
- 1x USB Bluetooth 3.0

Speaker 2x30W
- 2 Channels

Power Unit
- Power supply
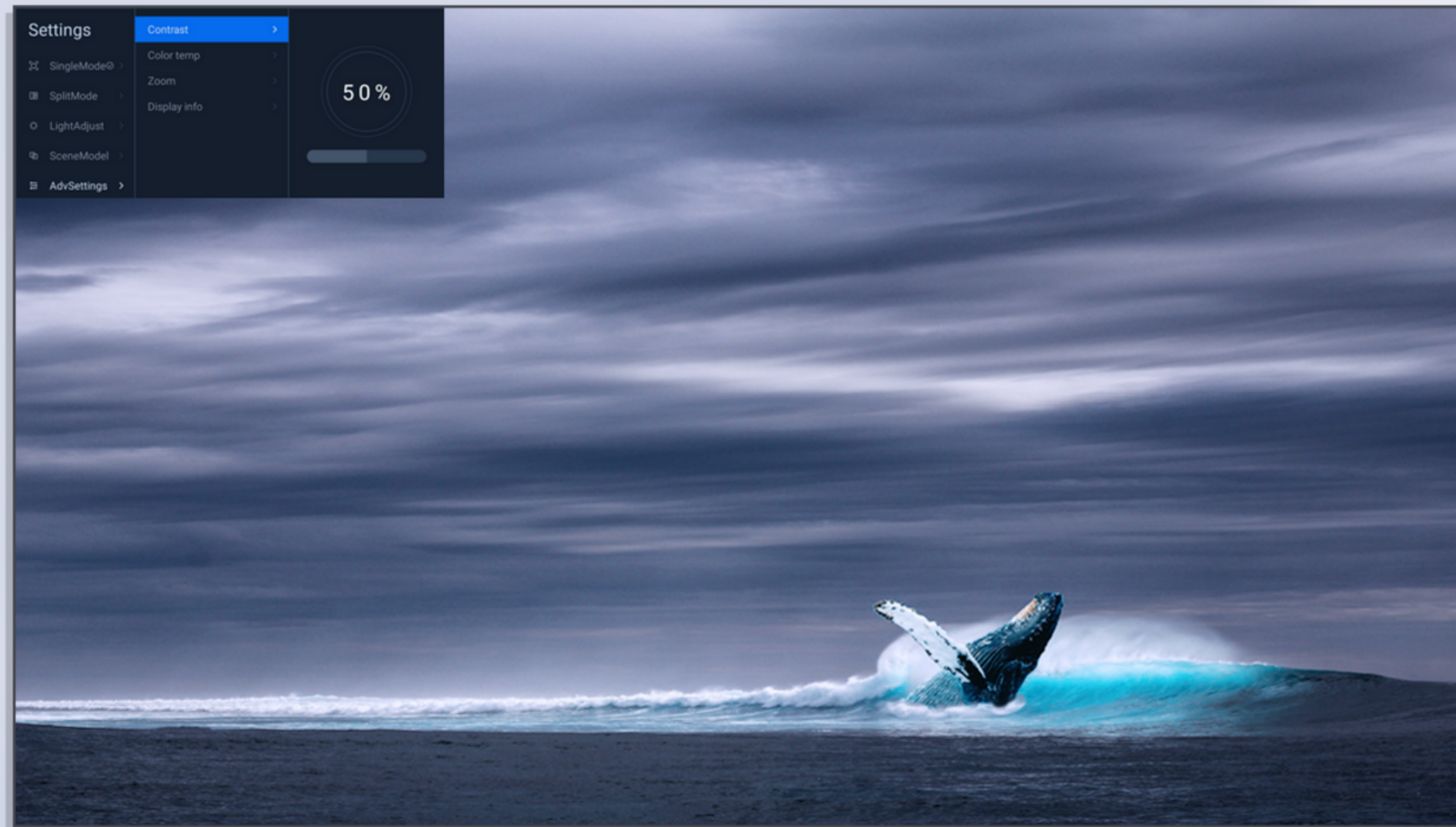- Amplifier
- Silicon Controlled Rectifier

Control Unit
- Sending Card
- Android Card
- Video Processor

Speaker 2x30W
- 2 Channels

HYPERLED®

Settings

Contrast
SingleMode
Color temp
SplitMode
Zoom
LightAdjust
Display info
SceneModel
AdvSettings

50%

- Support OSD Menu
- User-friendly Operation

Built- In Multi-Signal Processing

HYPERLED®

Wireless Screen Sharing For Up To 4 Windows

Simultaneous And
Intuitive Content Sharing
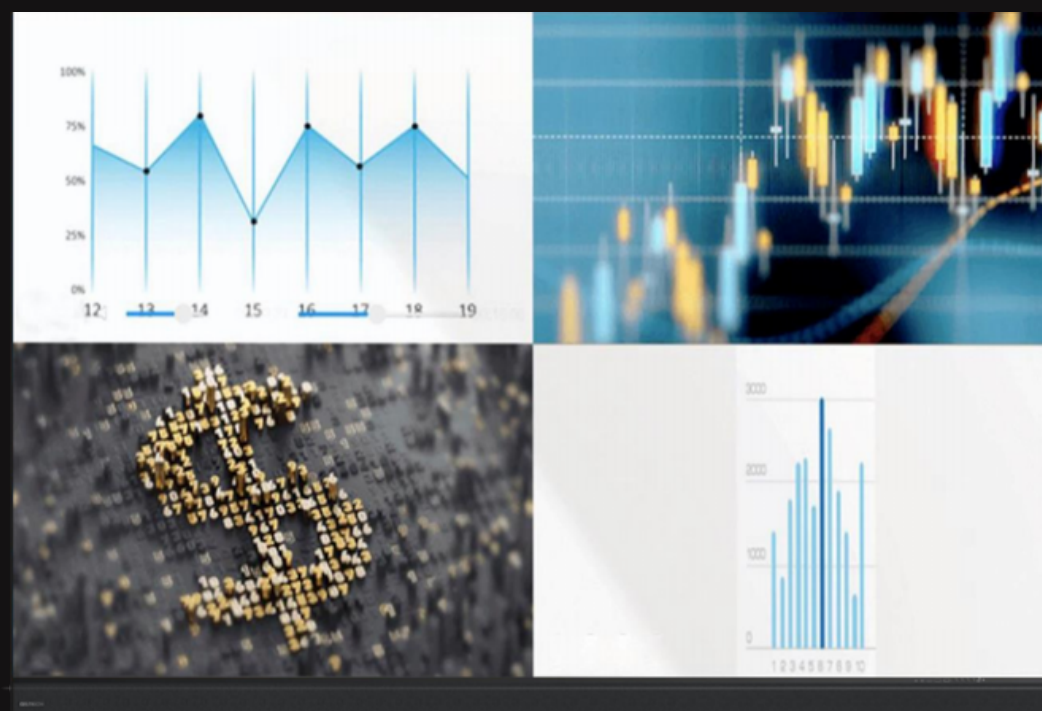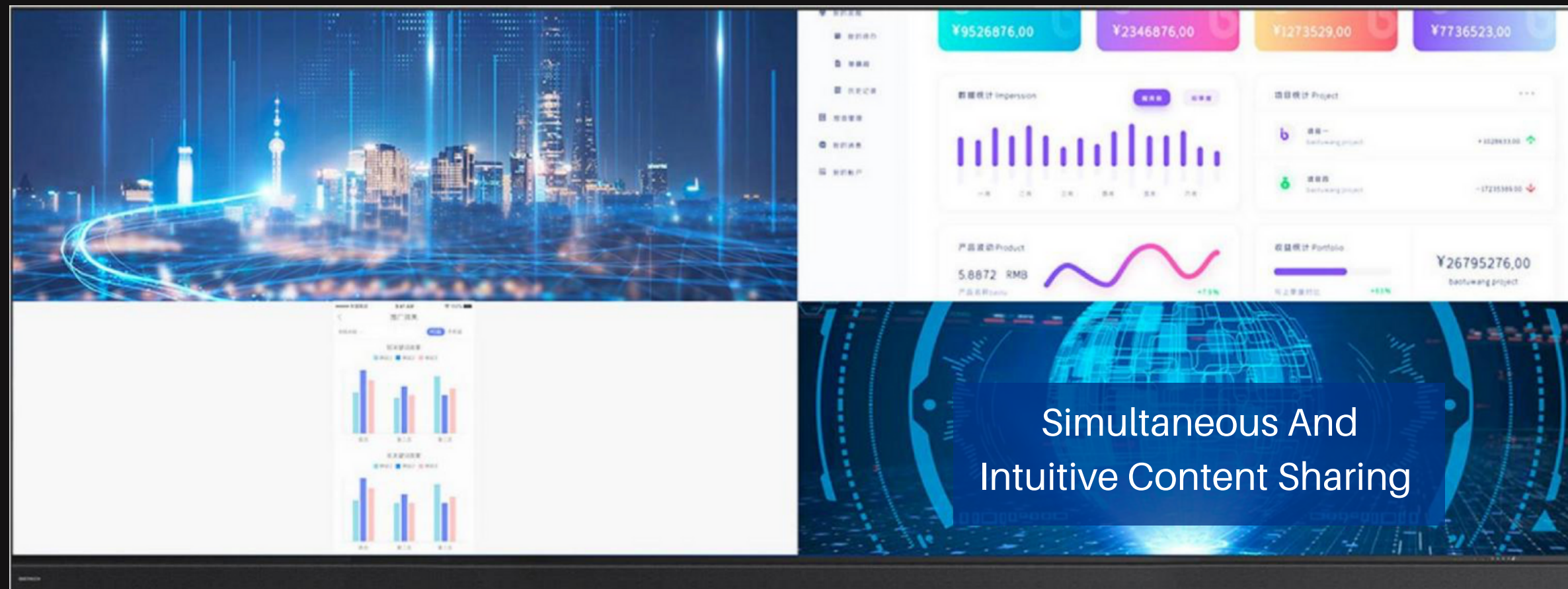
More Efficient Collaboration

HYPERLED®

LedConfig

A Smartphone is Now a Remote Control

- Easy operation
- Fixable
- User- Friendly

Available on the App Store

GET IT ON Google Play

Brightness   50%

Access To Applications
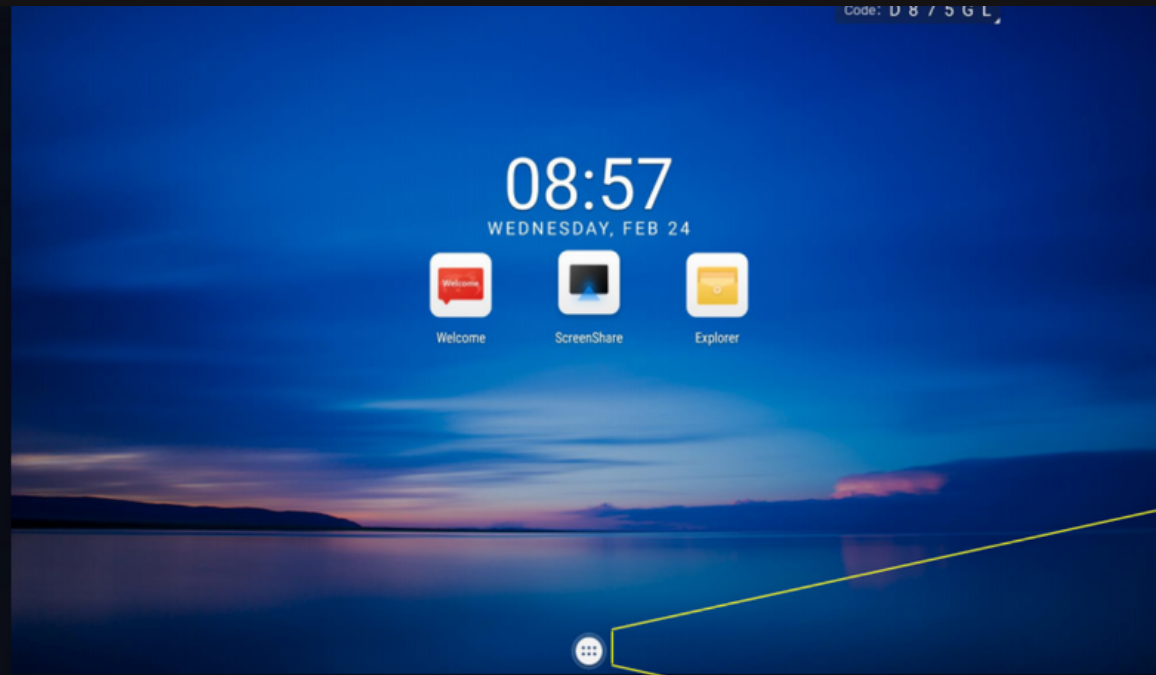
Applications

Applications Button
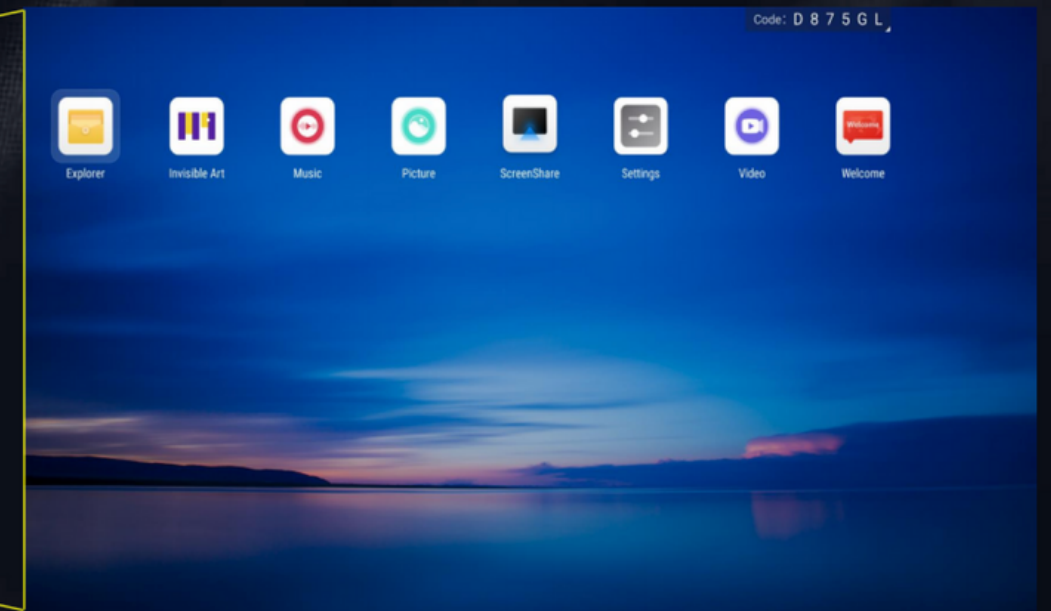
Explorer Sharing

Video Player

Explorer

Invisible Art

Music

Picture

ScreenShare

Settings

Video

Welcome

Screen Saver

Picture Reader

Settings

Startup Screen

Certifications: CE 、 FCC、ETL、PSE、EAC、CB...
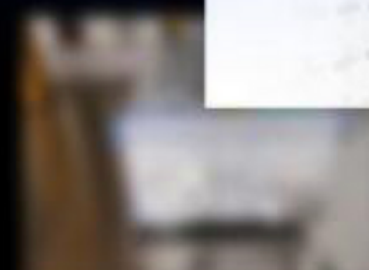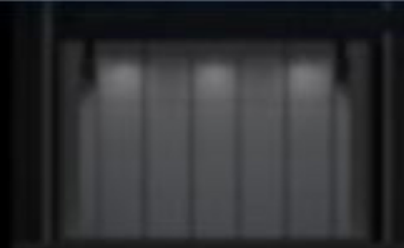
HyperWall Standby Power Consumption at 0 .5W

The software embedded in the HyperWall intelligently adjusts power based on detecting the actual working condition of the screen.
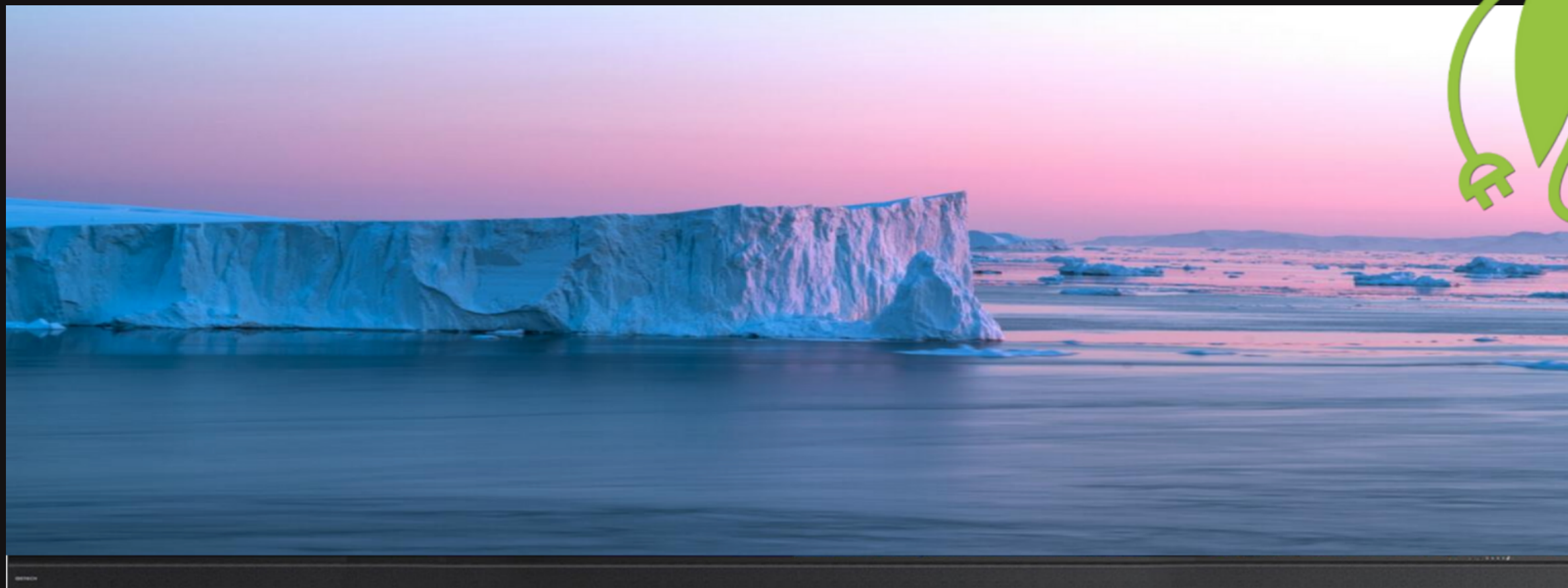
If the display remains inactive for an extended period, it will automatically switch to deep standby option. Additionally, the screen brightness will be adjusted according to the surrounding lighting conditions, ultimately leading to energy savings overall.

Controlled Electricity Consumption

Energy Saving

Aapect Ratio	16:9				32:9		
Size Inches	120"	138"	165"	220" 4K UHD	199"	249"	299"
Standby Mode Power Electrical (W)	≤0.5						
Maxmum Power Consumption Per Screen (kW)	1.85	1.99	2.83	6.02	3.10	4.38	5.66
Typical Power Consumption Per Screen(kW)	0.74	0.68	1.13	2.48	1.24	1.49	2.26

Installation Options

Wall-mounting Installation

On-stand
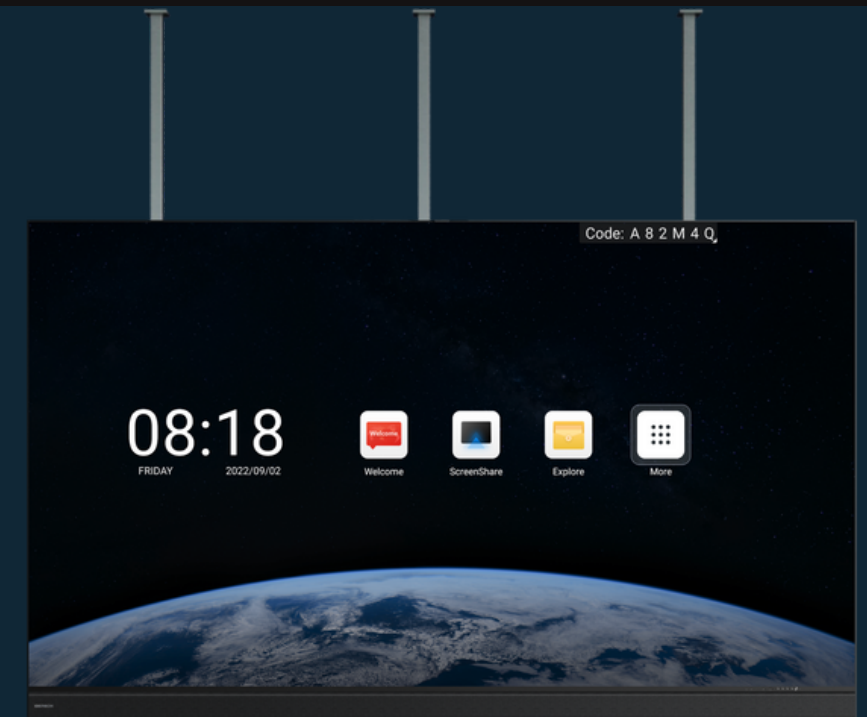
Hanging Installation

HYPERLED®

Convenient Installation & Maintenance

2-Year Warranty

- The structure is built with lightweight material making it easy to assemble, needing less support to hold it up.
- The Installation process is done fast and easy taking up less space at the location.
- Maintenance can be easily conducted from the front end.

HYPERLED®

Efficient Installation

- Standard wall-mounting installation option using high-strength hooks
- Display column pre-assembled before delivery to enhance on-site installation efficiency
- Simple installation procedures without the need for electric welding, saving time and labor.

Application Options

The All-In-One HyperWall screen size options are suitable for various room sizes and applications.

Meeting Room

Council Room

Vision Conference Room
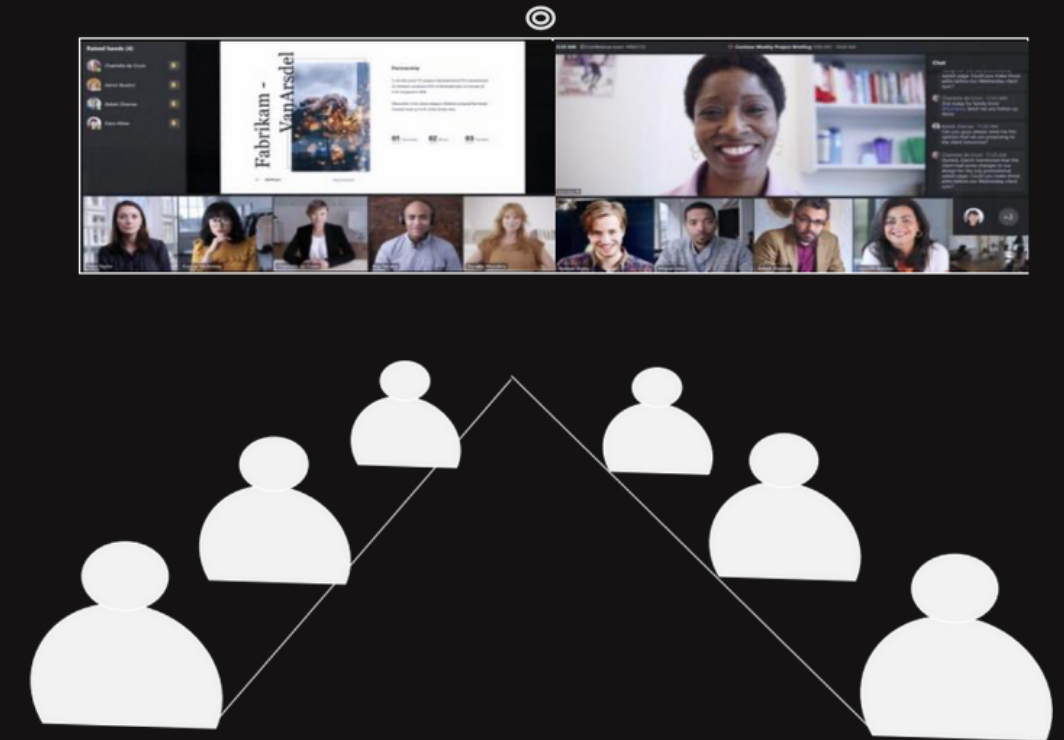
Auditorium

Control Center

HYPERLED®
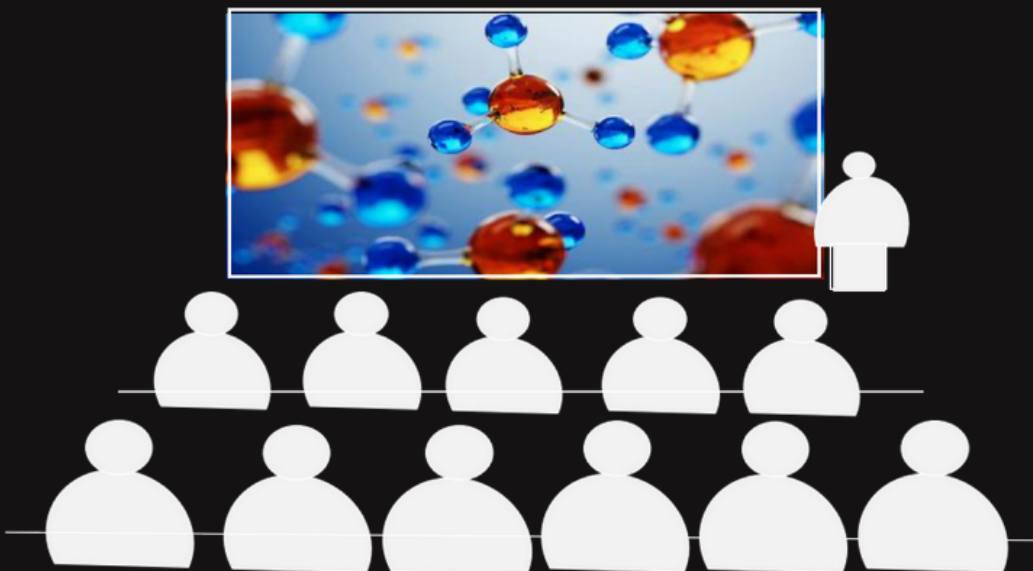
Application and Screen Size Recommendations

16:9 *HyperWall* 120" | 138"
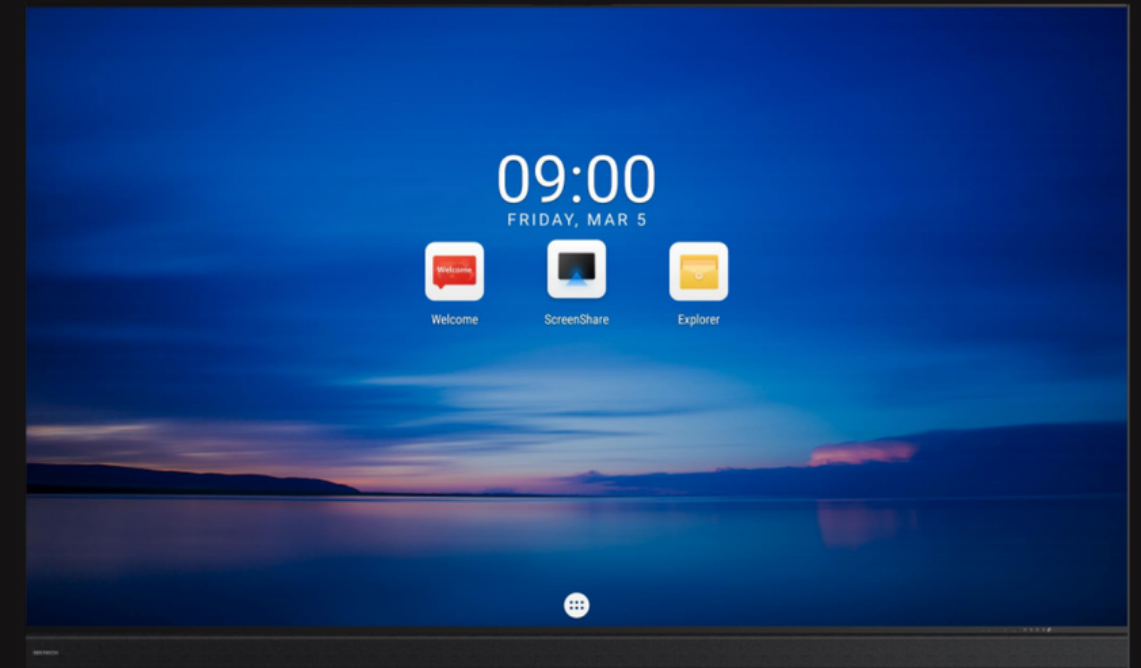
16:9 *HyperWall* 138" | 165"

Meeting Room

Council Room

Application and Screen Size Recommendations

32:9 *HyperWall* 199" | 249" | 299"

Control Center

Visio Conference Room

16:9 *HyperWall* 165" | 220"

Auditorium
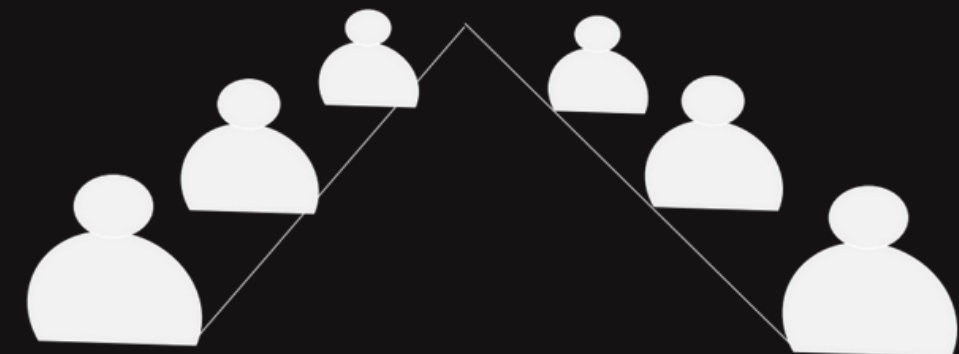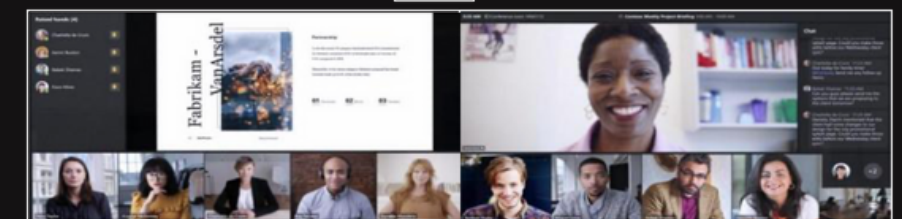
HyperWall-12013 & HyperWall-12020
All-In-One Large Format LED Display Console

- Support video conference;
- Built-in 2*30W audio system;
- Built-in video processing function;
- Support frame rate conversion function;
- Support remote control via mobile devices;
- Support wireless Screen Sharing Function;
- Support Bluetooth 3.0 Function;
- Support various scene options for different application scenarios;
- Support automatic brightness adjustment;
- Overall standby power consumption is ≤ 0.5W.
- Fully front access and hot swapping are available.
- It supports Wi-Fi dual frequency 2.4G/5G.
- Supports adjustment options via Wi-Fi, network cable, and USB connection.
- Built-in Android 9.0 system and Apps.
- All-in-one ultra-slim and lightweight design.
- Built-in RS232 and RS485 interfaces that can realize centralized control functions.
- Meets the RoHS directive requirements.

HyperWall-12013

All-In-One Large Format LED Display Console

HYPERLED®

Product Specifications

Overall Parameter

Size	120 inch
Aspect Ratio	16:9
Resolution	1920*1080
Overall Size (L*H)	2678*1616mm
Display Area (L*H)	2664*1499mm
Screen Thickness	28.5mm
Net Weight	90kg(wall-mounting bar and stand not included)
Recommended Viewing Distance	≥2.6m
Maintenance Mode	Front Access
Installation Mode	Stand, Wall-mounting, Ceiling-hanging

Optical Parameter

Brightness	100-550cd/㎡(Adjustable)
Refresh Rate	1920/3840Hz
Gray Scale	13-16bit
Contrast	3000:1
Color Temperature	2300-9300K(adjustable)
Viewing Angle	Horizontal 160°, Vertical 140°
LED Lifespan	≥100,000hrs

Electrical Parameter

Operation Voltage	100-240VAC 50/60Hz
Standby Power	≤0.5W
Average Power	0.74KW
Maximum Power	1.85KW

System Parameter

Operating System	Android 9.0
CPU	Dual Cortex-A72 large core + four Cortex-A53 small core, frequency 2.0GHz
RAM	4GB
Storage	32GB
Media Format	Support mainstream video format such as MPEG1, MPEG2, MPEG4, WMV, MKV, TS, and flv; Support audio formats such as MP3; Support JPG, JPEG, BMP, PNG, GIF and other image format.

Environmental Parameter

Operation Temperature	-10℃-40℃
Operation Humidity	10%-80%RH No condensation

HyperWall-12020

All-In-One Large Format LED Display Console

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Product Specifications

Overall Parameter

Size	120 inch
Aspect Ratio	16:9
Resolution	1280*720
Overall Size (L*H)	2678*1616mm
Display Area (L*H)	2664*1499mm
Screen Thickness	28.5mm
Net Weight	90kg(wall-mounting bar and stand not included)
Recommended Viewing Distance	≥4.2m
Maintenance Mode	Front Access
Installation Mode	Stand, Wall-mounting, Ceiling-hanging

Optical Parameter

Brightness	100-550cd/㎡(Adjustable)
Refresh Rate	1920/3840Hz
Gray Scale	13-16bit
Contrast	3000:1
Color Temperature	2300-9300K(adjustable)
Viewing Angle	Horizontal 160°, Vertical 140°
LED Lifespan	≥100,000hrs

Electrical Parameter

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HyperWall-12013 & HyperWall-12020
All-In-One Large Format LED Display Console

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LED Interface Reference Sheet
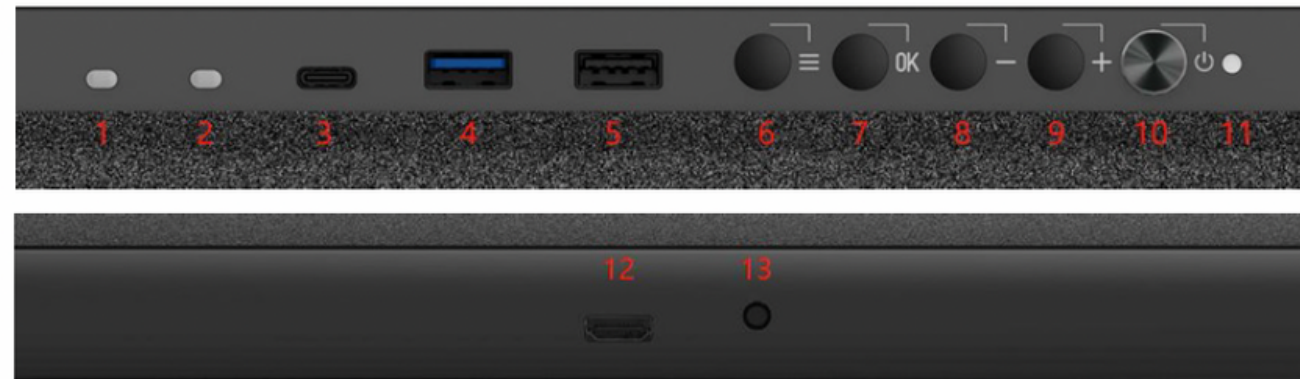
NO.	Description
1	Light Sensor
2	IR
3	Type C
4	USB3.0
5	USB2.0
6	Menu button(including brightness,color Temperature,contrast, sound,signal source,test mode and Other sub-menus)
7	Bright/OK (1.When the menu is Not called up,it is the brightness adjustment button,and the + and - keys are used to adjust the brightness; 2.When the menu is called up, it is used as confirm button.)
8	1.In the brightness adjustment mode,it is the brightness reduction key; 2.When the Menu is called up,it is the Down/minus key
9	1.In the brightness adjustment mode,it is the brightness increase key; 2.When the menu Is called up,it is the Up/Add key
10	Standby/Wake up button
11	Dual-color indicator light(red/blue)
12	HDMI input (facedown)
13	3.5 Audio output port(facedown)

I/O Ports

Type	QTY
HDMI 2.0 Input	3 (2 internal, 1 external)
HDMI 2.0 Output	1 (internal)
USB 2.0	1 (external)
USB 3.0	1 (external)
Type C	1 (external)
3.5 Audio Output	2 (1 internal, 1 external)
Audio Optical Output	1 (internal)
RS232 Port	1 (internal)
RS485 Port	1 (internal)
Bluetooth	1 (wireless)
LAN	1 (internal)

HyperWall-12013 & HyperWall-12020
All-In-One Large Format LED Display Console

Remote Button Reference Sheet

Button Icon	Introduction
⏻	Standby/Wake up
(circular pad)	Up
	Down
	Confirm
	Left
	Right
+	Voice +
−	Voice −
↺	Back
☼	Brightness Adjustment
≡	Channel Switch
⌂	Main Interface

Accessories

Remote Control	1
Front Maintenance Tool	1
Tool kit	1
Wall-mounting Bar	1
Hanging Structure	1 set (optional)
Stand	1 set (optional)

Packing Dimensions

Item	Dimension	Quantity
Screen Packing Dimension	1640*210*750mm	2
Module Packing Dimension	710*550*150mm	4
Lower Frame Packing Dimension	2100*270*180mm	1
Wall-mounting Bar Packing Dimension	1840*160*130mm	1

Note:
- In case of special requirements, the packing quantity, weight and dimension may change, and the actual product received shall prevail.

Special Statement

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- The contents of this manual are for reference only and are subject to change without notice.

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