OneScreen Wall w1

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OneScreen proudly introduces yet another collaborative solution based, state-of-the art innovative technology, proving to be industry leading manufacturers of interactive touchscreen systems. The OneScreen Wall w1 is a 55" LED Direct Backlit IPS LCD that comes with the latest Active Bezel technology. It has the ability to display seamless homogeneous videos and images without multiple bezels, enabling viewers to experience a larger display without any breaks. OneScreen Wall w1 is capable of achieving a 0mm (Zero) Bezel seamless video that results in a single unbroken wall display. In order to achieve this unhindered display, active video pixels screen are fully incorporated into the IPS LCD monitor, 95% of which is the same as LCD screen and over 95% fused into LCD display.

With the incorporation of Active Bezel, OneScreen Wall w1 possesses benefits of a unified LED as well as a large brilliant LCD display, providing users with an outstanding visual experience. This LCD has a 0.63mm pitch, however has lesser equipment and maintenance costs than a small pitch LED.

OneScreen Wall w1 displays unparalleled crystal clear imagery with its impeccable Full HD 1080p resolution through each LCD panel. Along with this, viewers experience an entire seamless wall display, ideal for broadcasting, retail purposes, and command/control applications.

Advantages of OneScreen Wall

- Ability to project different displays across each panel for simultaneous viewing.
- Achieves 0mm (Zero Bezel) through Active Bezel which pro vides users with a seamless video display
- Keeps the viewer engaged ensuring effective communications
- Provides real time video transmission
- Enables users to present more effectively and efficiently
- High brightness of 500 cd/m2 (600 cd/m2 real) along with optional 700 cd/m2 brightness
- Built-in hardware and software ensures ease of use
- Easy installation setup
- Managed and controlled by OneScreen Wall W1 processor delivering endless possibilities

Applications

- Live Broadcasting
- Surveillance
- Simulation Display
- Retail
- Advertisements and Promotions
- Control Room
- Conference and Meeting Rooms
- TV Studio Broadcasting
- Education
- Digital Signage
- Telecommunications
- Emergency Services

Technical Specifications

1-0 Seamless LCD Monitor

1-1	Model No:	PL-55-0050
1-2	Width x Height:	1214 x 685 mm
1-3	Thickness (Monitor):	80 mm
1-4	Thickness (Installation):	40 mm
1-5	LCD Panel Manufactory:	LG Korea
1-6	LCD Panel Type:	IPS (A Grade)
1-7	LCD Panel Size:	55"
1-8	Display Type:	Landscape or Portrait
1-9	Resolution:	1920 x 1080
1-10	Pixel Pitch:	0.63 x 0.63 mm
1-11	Colors:	10Bit, 10.6 Billion
1-12	Backlit	Direct LED Back Light
1-13	Brightness (Named):	500 cd/m2
1-14	Brightness (Real):	600 cd/m2
1-15	Contrast:	4000 : 1
1-16	Viewing Angle:	178° R/L, U/D
1-17	Response Time:	2 ms
1-18	Surface Treatment:	Hard Coating (3H), An-

2-0 Input Forma

2-1	Input Format:	HDMI, DVI VGA, AV(2), RS232

3-0 Active Bezel Screen

3-1	Bezel Screen Display a):	Active Video Pixel Display
3-2	Bezel Screen Display b):	Not-Optical Prism
3-3	Bezel Screen Pixel Pitch:	≤ 1.5 mmti-Glare
3-4	Bezel Screen Type a):	Video on Bezel & over Gap (VBG)
3-5	Bezel Screen Display b):	L Pattern
3-6	Bezel Screen Pixel Pitch:	Video on Top and Left Bezels
3-7	Bezel Screen Display d):	Bottom and right bezels are overlapped by L Pattern bezels of adjacent monitors after being spliced
3-8	Physical Gap between Monitors:	Physical Gaps between monitors after splicing are overlapped by active bezel screen

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3-9 Spliced-and-Seamless:	Spliced-and-Seamless (SnS) (No extra seamless work required)
3-10 Active Bezel Display a):	Surface Display (Not Dot by Dot)
3-11 Active Bezel Display b):	Homogeneous Sense with LCD
3-12 Active Bezel Display c):	≥ 70% Difficult detectable from LCD
3-13 Video Color on Bezel a):	≥ 95% Same with LCD display
3-14 Video Color on Bezel b):	≥ 95% Fused into LCD display
3-15 Active Bezel Viewing Angle:	178° R/L, U/D
3-16 Active Bezel Temperature:	≤ 40 °C
3-17 Active Bezel Structure:	Fully integrated into LCD monitor

4-0 Monitor Structure:

4-1 Monitor Body a):	Integrated Molded Body A load-carrying structure to prevent LCD panel from being pressed
4-2 Monitor Body b):	Precise body size by CNC machining
4-3 Back Shape:	Curved for stimulating air circulation
4-4 Air Circulation:	Natural Convection without Fan
4-5 Noise Level	100% Quite

5-0 Installation

5-1 Installation a):	Base of Standalone
5-1 Installation b):	Front Installation and Service
5-1 Installation c):	From Ceiling to Floor

6-0 Operation and Conditions

6-1 Operating Time:	24 hours x 7 days operating110
6-2 Working Voltage:	110 - 240 V, 50 / 60 Hz
6-3 Ambient Temperature:	0 °C - 40 °C
6-4 Humidity:	≤ 90% (No Condensation)
6-5 Power Consumption:	185 W (500 cd/m2) / 220 W (700 cd/m2)

7-0 Packing

7-1 Monitor Weight:	30 KG
7-2 Carton Dimension:	138 x 25 x 85 cm
7-3 Wooden Case (3 LCD in):	145 x 81 x 100 cm
7-4 Wooden Case (4 LCD in):	145 x 104 x 100 cm
7-5 2 LCD Flight Case (Option):	131 x 38 x 89 cm

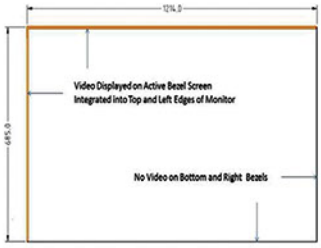
Other Features

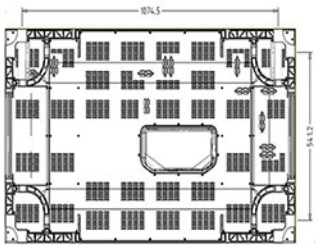
- Cross Point Switch
- FPGA Architecture
- Card to Main-board Plugging structure
- Resolution Real-Time Total Adaptation (RRTA) Graphic
- Cropping and Signal Upscaling Ultra-high Resolution
- Background Image Character Superimposition
- Scene Saving, Loading, and Displaying in Loop
- HDCP-Compliant
- Redundant Power Supply
- Controlling and Management

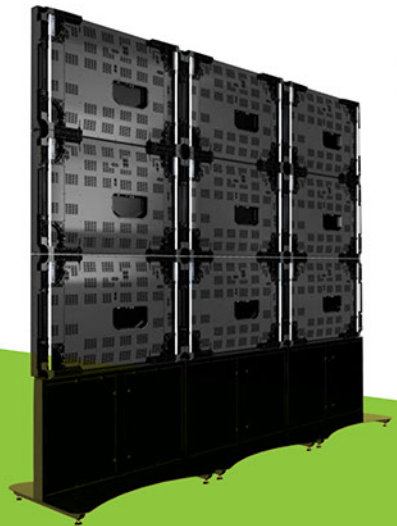
System Diagram of OneScreen Processor

Technical Specifications

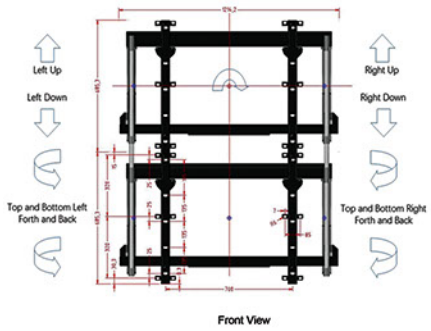
Dimensions

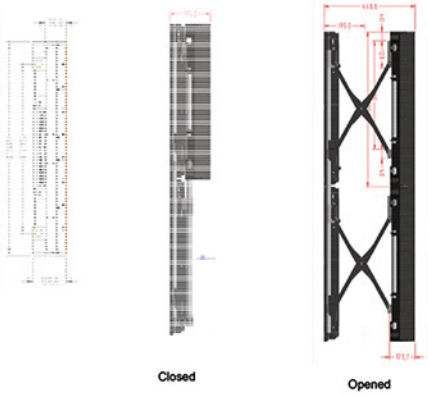






Front Installation Dimensions





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