



Final Inspection

55 - Points Checklist

Do you want to get high quality of led screen display while buying a reasonable cost of the led screen, but need an expert opinion?

In order to take into account all aspects be sure to ask manufacturers and suppliers to make an inspection checklist for the LED display.

Adhaiwell LED has acquired a unique experience in the LED Display quality control. We are proud to provide the most advanced quality control in LED screen field, performed by inspectors with years of experience.

SECTION 1 : GENERAL INFORMATION

Project No. :

Model : SMD LED Screen Display

Client:

Inspector:

Date:

SECTION 2 : ORDER INFORMATION CHECK

		Pass	Reject	N/A
1	Control system brand: NOVA Nova	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	LED lamp specifications / die brand: NATIONAL STAR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Driver IC Model / Brand : SUM2017 / 1920HZ	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Power supply model/brand: MEANWELL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Module model number/size:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Box structure / size model / material / label	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 3 : VISUAL INSPECTION

		Pass	Reject	N/A
7	The surface of the module is uniform in color, no lamp is concave, and the lamp is biased.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	The flatness of the module surface is within the range of $1M \leq 0.5mm$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Module assembly gap \leq pixel pitch 5%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	The surface of the box is free from scratches, oxidation, damage, and deformation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	The lock, handle, positioning pin, door lock, corner chain, etc. are not damaged, no oxidation; the function meets the requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12	The mounting hole of the box has no sliding teeth, paint, oxidation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Power line polarity, length/data line polarity/capacitor polarity can not be wrong	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	No xenon lamp, less light, manual take-up	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	After the box is finished, the module needs to be centered, the edge, and the seam is within 0.3MM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Waterproof rubber ring should not be leaked, glue and three anti-paint paint in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Inside the cabinet, no tin slag, screws, wire ends, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	The lock module, power supply, fan, and other screws are not loose, no leakage phenomenon; the terminal screw is not loose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Warning, the grounding mark is correctly pasted, no missing stickers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	The box door is closed tightly after being locked, without deformation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	The screen printing pattern of the box is correct, no screen printing is bad.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 4 : STITCHING TEST

		Pass	Reject	N/A
22	The cabinet power cord and data cable are connected without any defects.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	Assembling Check the box connecting piece, the lock is functioning normally.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	The box connecting piece, the lock is used normally.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Inside and outside the box, left and right, the upper and lower power cords are connected normally, no tightness, no loose connection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	Box assembly gap \leq 10% of pixel pitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 5 : FUNCTIONAL TEST

		Pass	Reject	N/A
27	Screen brightness \geq cd / m ²	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	Color coordinates: X: Y:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	Left and right viewing angle \geq Up and down \geq	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

30	Gray level:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	Frame change frequency:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	Refresh frequency:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	Out of control pixel points $\leq 0.3/10000$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	The video plays smoothly, clearly and in pure colors. No flicker, no smear, no jitter, no shadow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	Scan, R, G, B, W brightness, uniformity of chromaticity; no dark, 暗, string, color, lack of color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	Is the ink color consistent in the whole screen black screen state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37	There are no dead lights / severe flower screen phenomenon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38	Whether the white screen brightness/color temperature/coordinate/constant current output meets the debugging requirements;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	Whether the brightness/color temperature of the white screen and the monochrome level meets the requirements at 255 levels;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	White screen and monochrome at 30 or above brightness/chromaticity meet the requirements"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41	Power (single box maximum power $\leq W$)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 6 :RELIABILITY TEST

		Pass	Reject	N/A
42	Power failure test: power off 3 times, large screen playback is normal, no function problem	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43	Withstand voltage test: high voltage 1500V test 60S leakage current <100mA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44	Grounding resistance test: 25A test 60S grounding resistance <0.1 ohm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45	Leakage current test: less than or equal to 0.25MA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

46	Waterproof test front IP65; back IP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47	Insulation withstand voltage test: 1500W, 20MA, 5-10S, no breakdown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48	Aging: indoor screen for at least 18 hours or outdoor for 72 hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49	Vibration test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 7 :PACKAGING INSPECTION

		Pass	Reject	N/A
50	Box weight \leq KG;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
51	Packing method: Number of packages:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
52	Printed labeling specifications are correct and clear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
53	The package is complete and intact, and the accessories are complete.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SECTION 8 :SPARE PARTS INSPECTION

		Pass	Reject	N/A
54	The list of spare parts is checked, and there are no missing parts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
55	The equipment has no appearance, poor function and reasonable packaging.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>