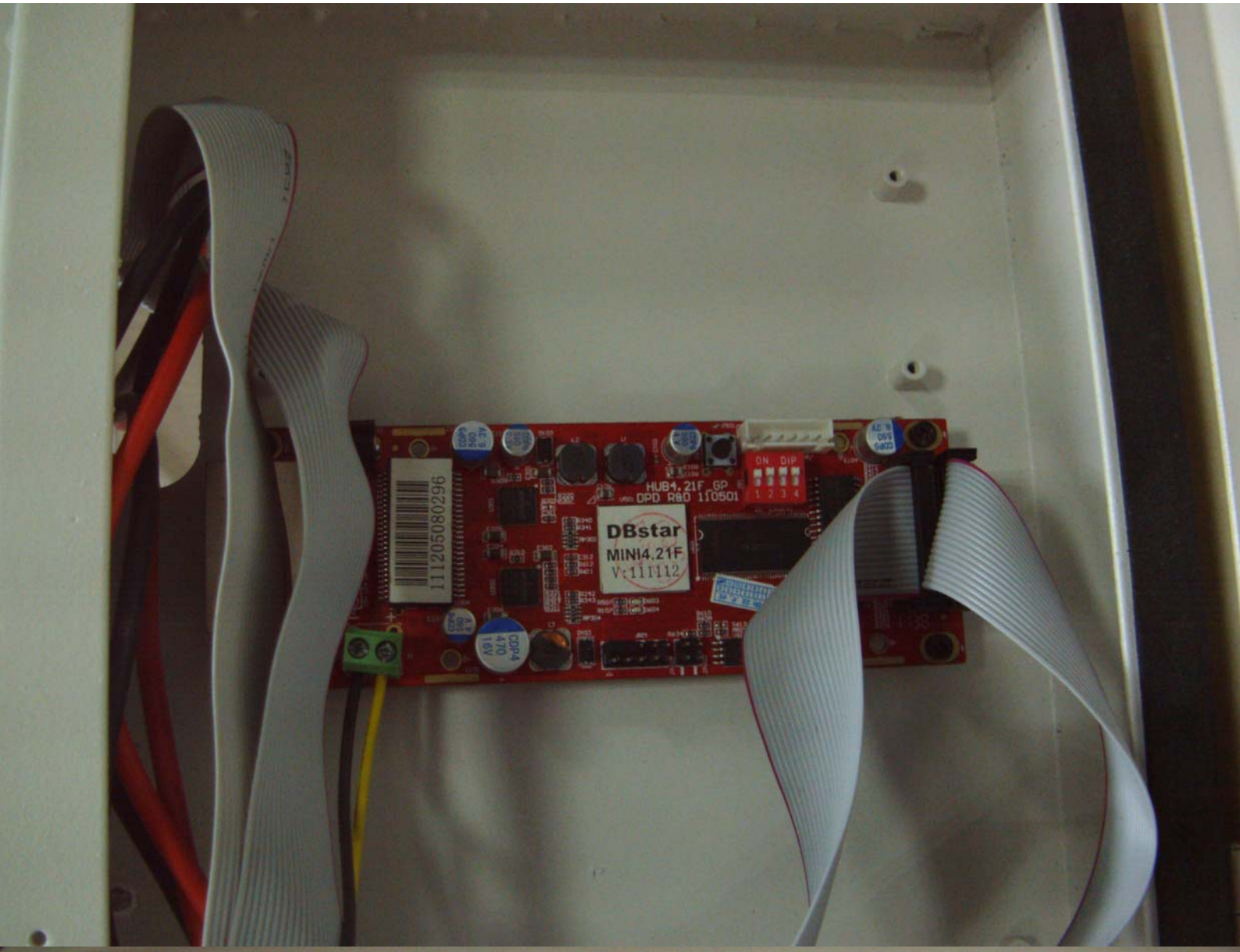
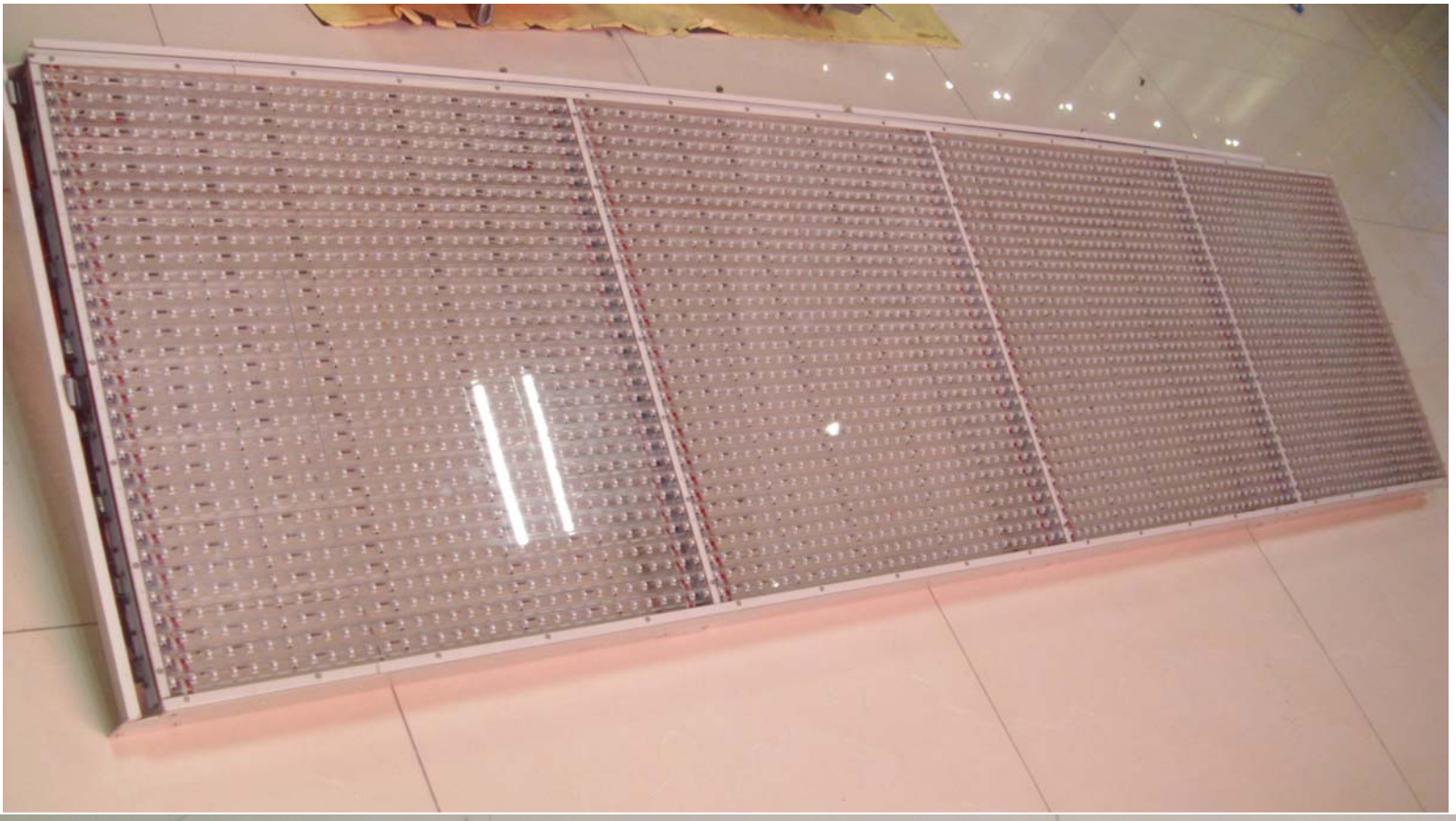
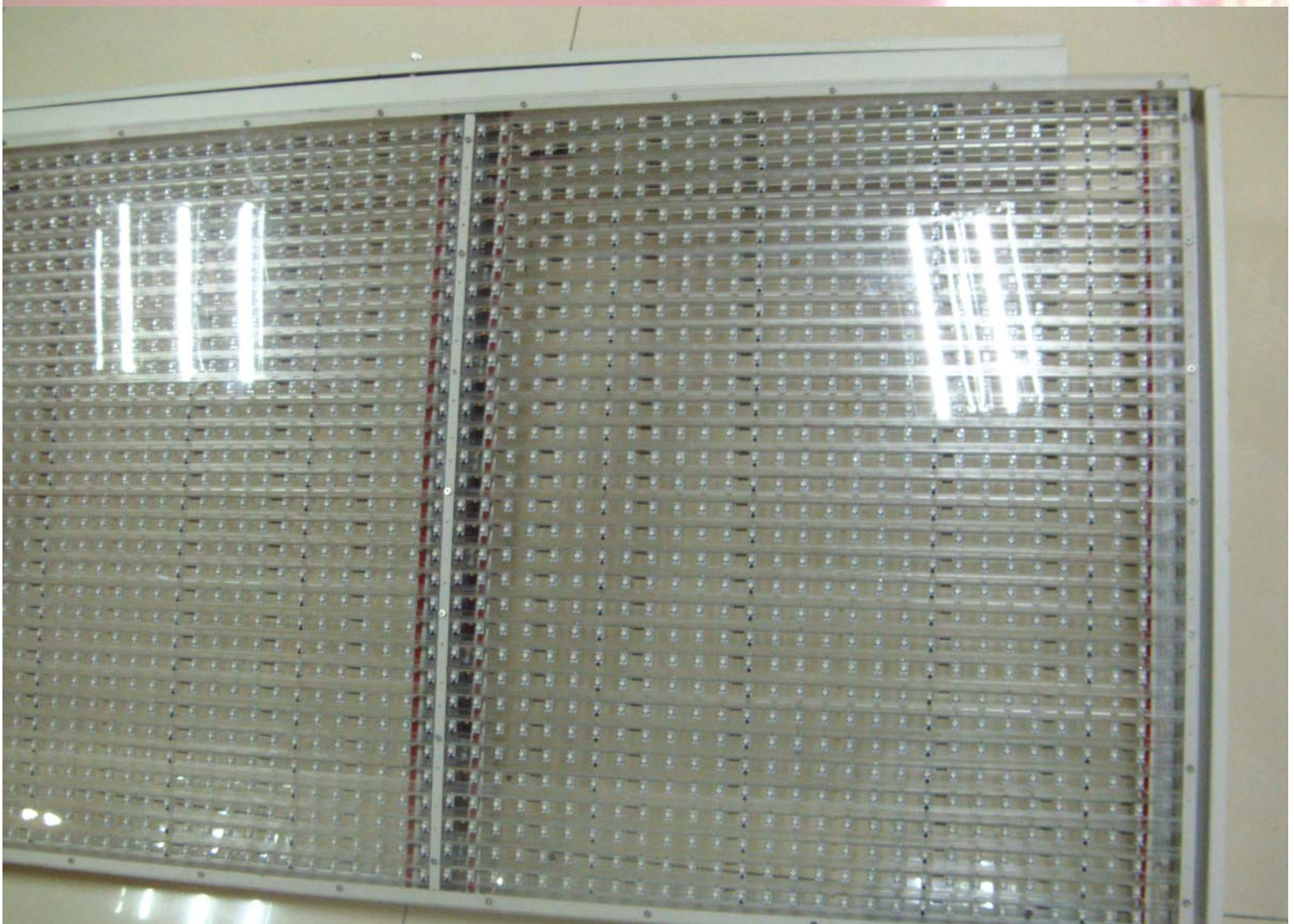
Module, cabinet, control system & aging photos

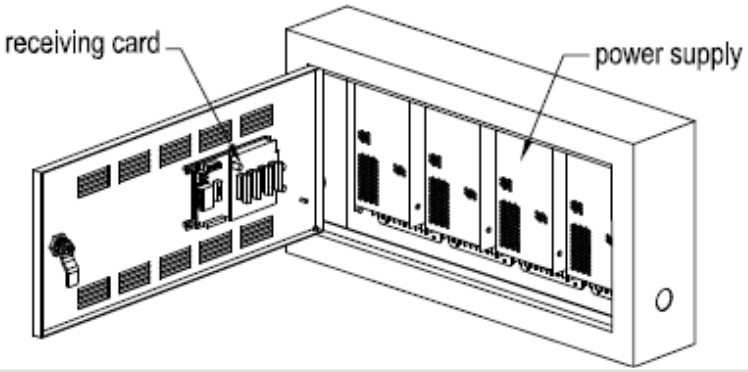


Controlling card & Power supply

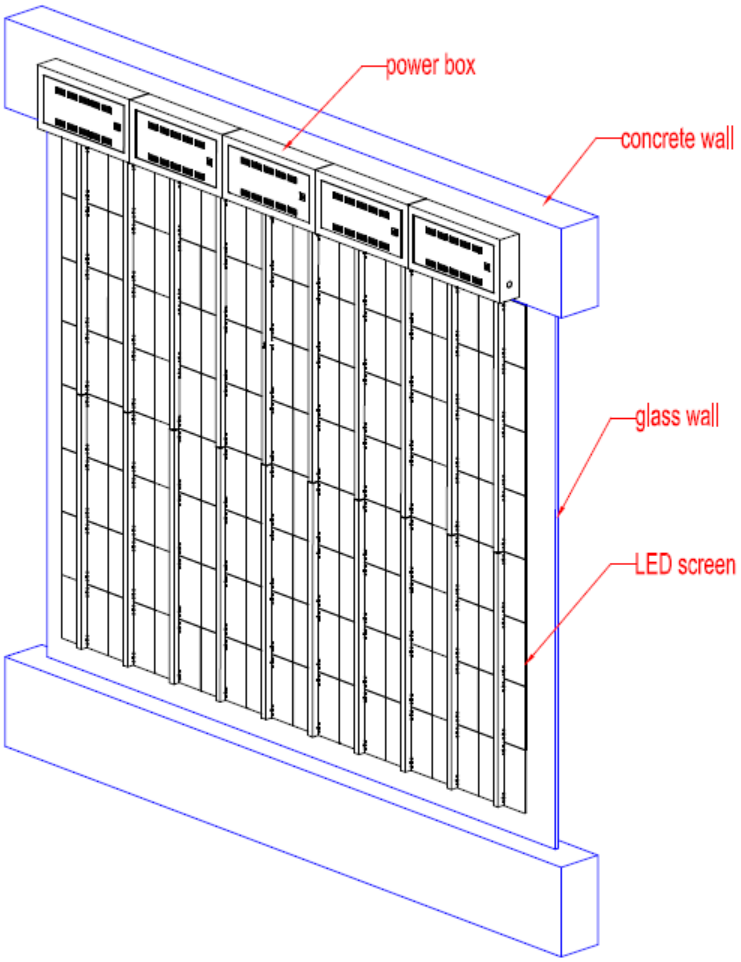


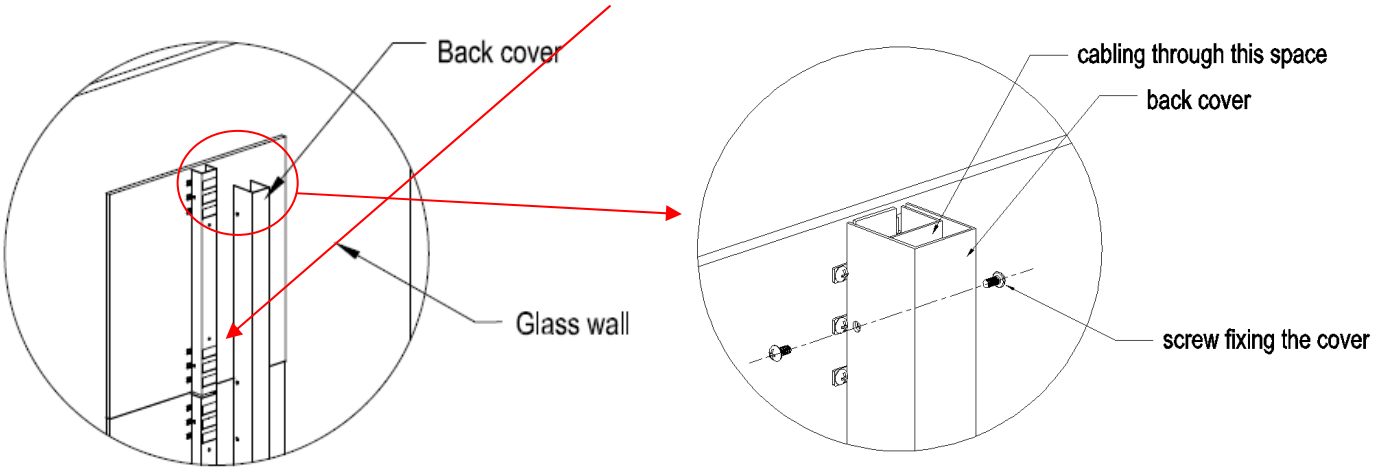
Cabinet



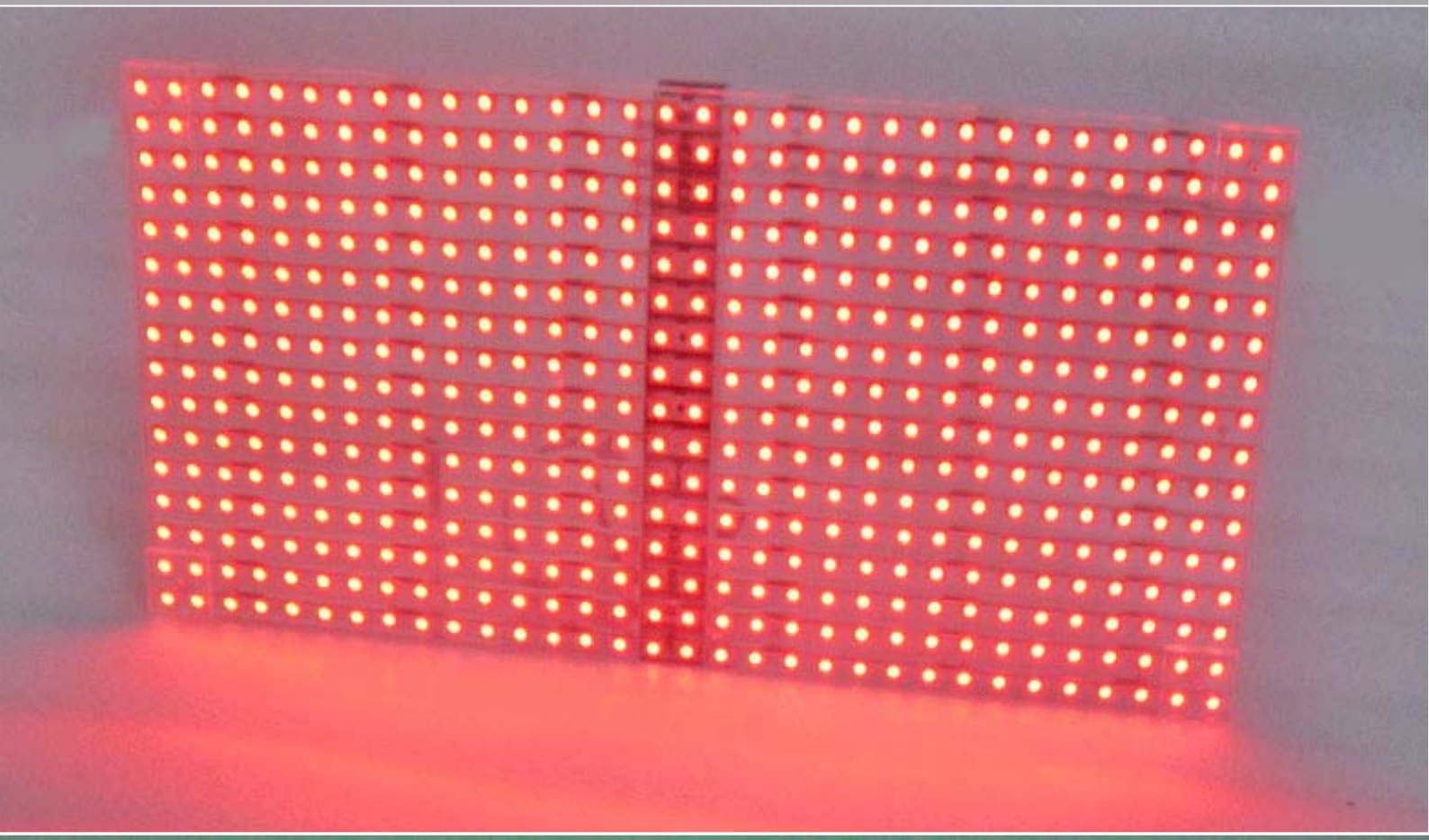


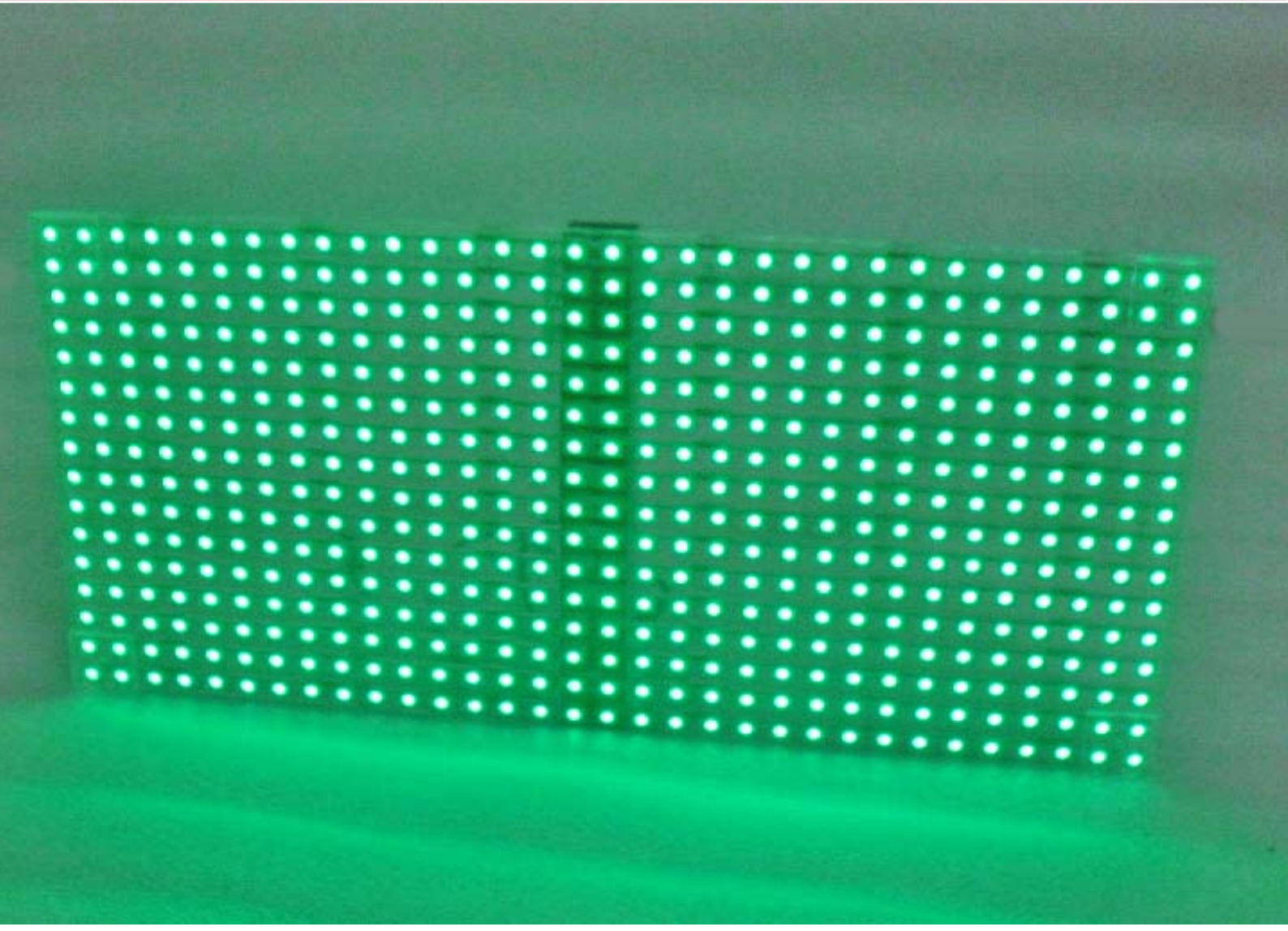
Installation diagram

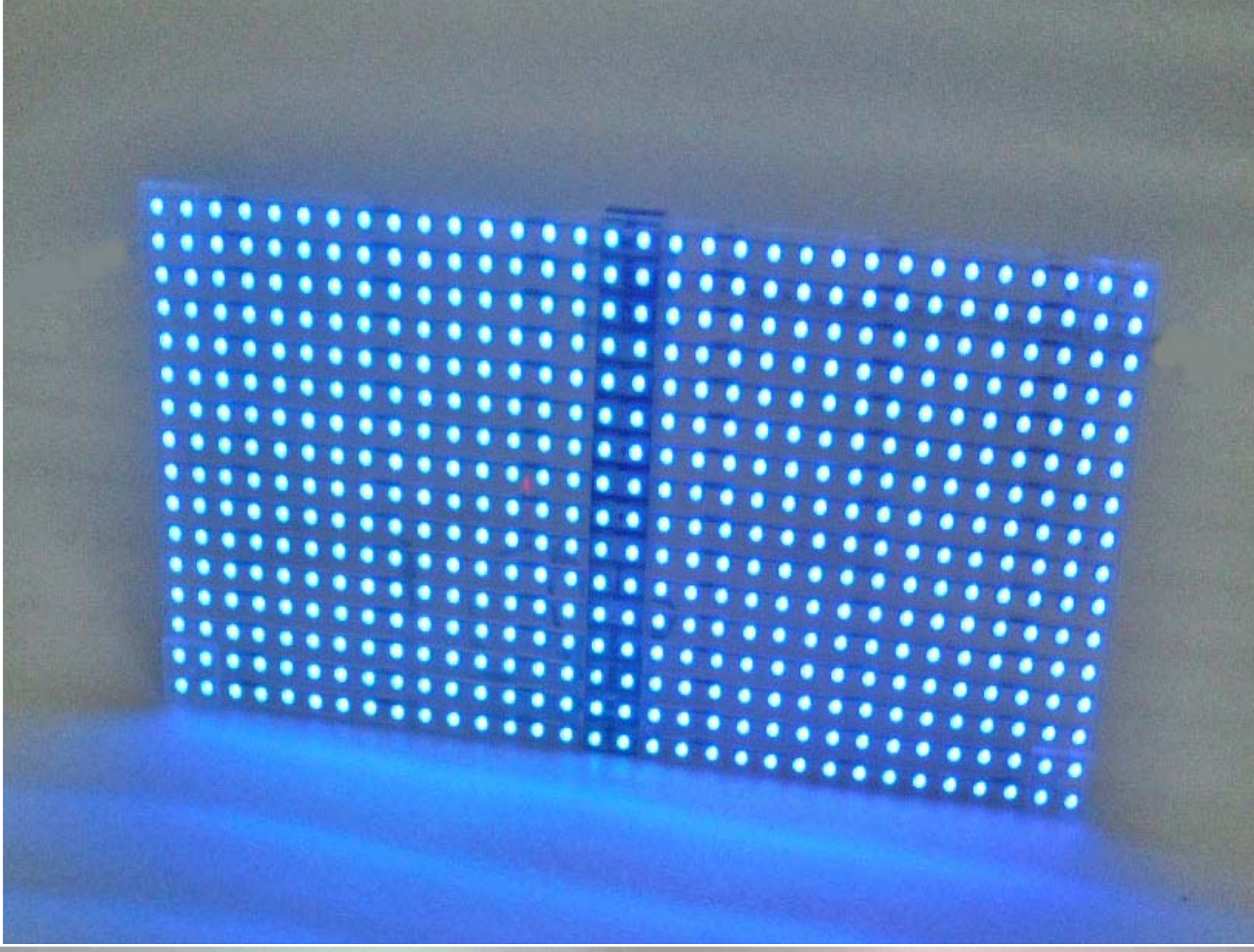


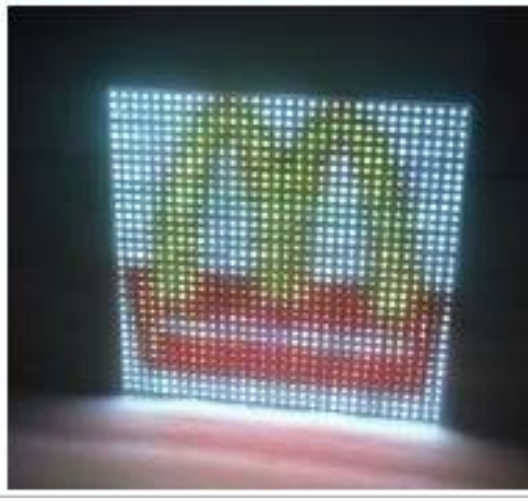


Aging test photos









Shenzhen ERALED Optoelectronics Co., Ltd.

LED glass wall display screen features & specification

The LED screen turned off

The LED screen turned on

LED glass wall display screen is an innovation in architecture advertising and decoration. It is a breakthrough technology in the architecture media.

Features:

High Degree of Visibility:80% transparent see-through, so it is convenient for people inside and outside to look-through. The integrated LED lamps are very tiny and almost invisible from outside of the building. It makes no difference on the appearance of the building.

Compact design and light weight:8mm thickness of the LED panel has it almost suitable for any glass wall building. The weight is only 12Kg/sqm and minimizes the load to the glass wall.

Ease of Installation and Maintenance: No need to change any building structure. It needs only 10 second to install one module. Should any maintenance occur, it only requires doing it at the indoor.

Saving money in decoration for the architecture Since the LED glass wall makes the vivid decoration and advertising, it saves other lights to lighting up the building.

Wide application: The LED glass wall display screen can be applied wherever the glass wall existed such as commercial building, landmark architecture, art center, shopping mall, super market, chain stores, etc.

◆ Technical Specification(P20mm):

Pixel configuration	SMD5050 1R1G1B 3 in 1	
LEDs configuration	Red:wave length: 625~630nm;1100-1300mcd Green:wave length: 525~530nm;1900-2400mcd Blue:wave length: 470~475nm;500-700mcd	
Pixel pitch(mm)	20	
Pixel density(dots/㎡)	2500	
Calibrated brightness(cd/sqm,nit)	4500 nits(adjustable)	
Calibrated brightness proportion ratio	R: G: B = 30%:60%:10%	
Color temperature	3,500° — 9,500° K(adjustable)	
Contrast ratio	4,500:1	
Brightness adjustment(dimming)	100 grade auto/manual-adjustment	
View angle(degree)(50% brightness)	Horizontal: 160° (80° off center); Vertical: 160° (80° off center)	
Readability viewing angle	Horizontal/ Vertical: 170° (85° off center)	
Color capability	4.4 trillion	
Refresh rate(Hz)	>600 Hz	
Frame frequency(Hz)	>60 Hz	
Interface port	DVI interface(DVI connector)	
Input signal	VGA, Video, AVI, MOV, MPG, DAT, VOB etc.	
Protection grade	IP20 front side & backside	
LED Drive	Constant-current drive	
Lifetime(hours)(50% brightness)	100,000 hours	
Signal transmission direction	Horizontal	
Operating temperature(Celsius degree)	-10℃~+45℃	
Storage temperature(Celsius degree)	-15℃~+45℃	
Operation humidity(RH)	5%~99%RH	
Operation humidity(RH)	10%~95%RH	
Servicing	Back serving	
Control mode	Synchronous	
Communication options	Wire Ethernet, Fiber Ethernet	
Power	120/240 V AC single phase(50-60Hz)	
Maximum power consumption(W/SQM)	660	
Average power consumption(W/SQM)	264	
Screen operation mode(scan/static)	static: 1/1	
Module configuration(Pixels quantities of the module)	Length	16
	Height	16
Module dimensions(mm)	Length	320
	Height	320