



COB high definition display solution

More pixels, better pixels



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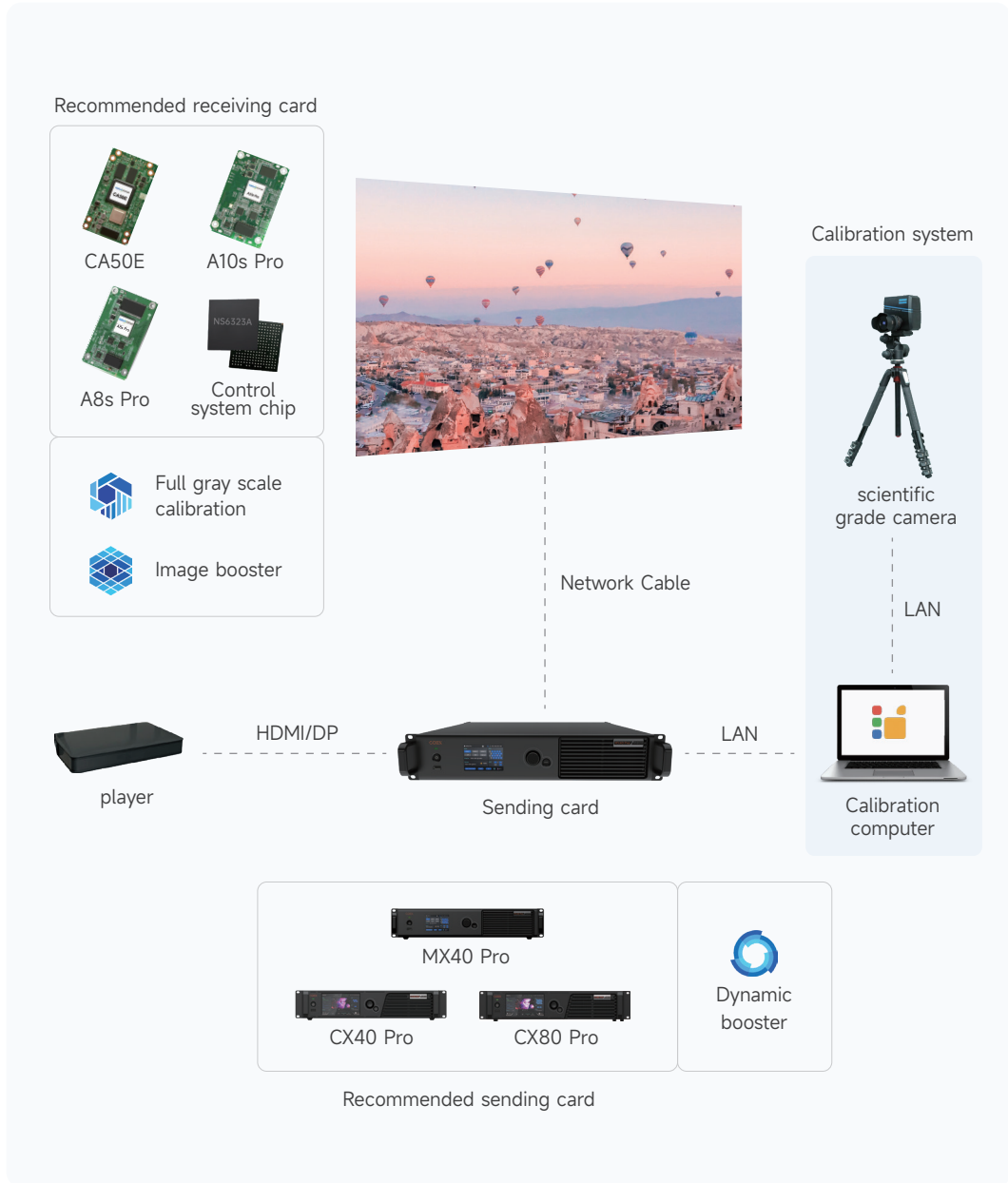
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COB solution system chart



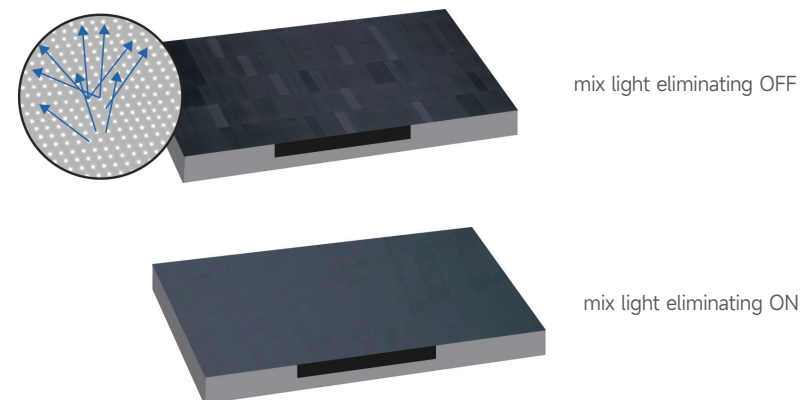
Ultra high speed accurate calibration, brings an all-new screen

32 million pixel reading, 1.7fps image acquisition, 4KCOB screen calibration, 4 hours reduced to less than 40 minutes, 5 times calibration efficiency promotion.



Algorithm innovation, double calibration effect

The algorithm of mix light eliminating can improve the measurement accuracy of COB display products' brightness and make the generated calibration data more effective, thus greatly improving the uniformity of the corrected display.



Self-adaptive calibration, texture restoration intelligent

With self-adaptive calibration, based on the analysis of the collected data, the optimal target value is automatically matched, which effectively solves the common white display color block problem of COB and restores the pure picture texture while ensuring the uniformity of monochrome.



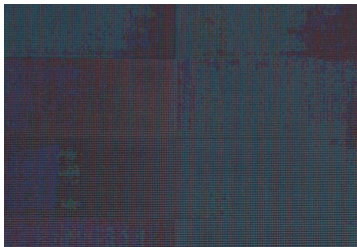
Traditional Brightness&color calibration



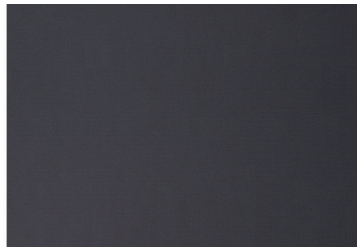
Self-adaptive calibration

Full gray scale calibration, the beauty of the details

With full gray scale calibration technology, so that each gray level of the screen has a special calibration factor, so that the image display is uniform and delicate under different brightness.

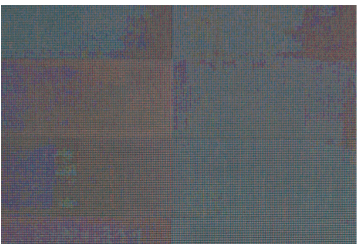


Brightness&color calibration



Full gray scale calibration

Gray scale 5



Brightness&color calibration



Full gray scale calibration

Gray scale 8

Ultimate image quality experience, discover the beauty of images

Double booster

With all new image booster and dynamic booster technology, the ultimate picture details and dynamic contrast enhancement, so that the display picture vivid smart.



Image Booster



Dynamic Booster

Ultra flexible vision

22bit+, 64 times grayscale improvement, 0.002nits precise control, ultra-precise image for stunning realism.



Traditional display effects



More flexible gray scale

True color Reduction

Through color management technology, the color gamut of the display screen can be adjusted according to the color gamut of the video source, so as to eliminate color deviation, highly reproduce the true color of the natural scene, and realize color high fidelity.



Before Gamut calibration



After Gamut calibration

Trough light and shade

SDR source, HDR level picture quality, deeper black, clearer bright.



Traditional display effect



Clearer details

Automatic calibration equipment, module calibration standardization

CC300 is the only system in the industry that can be used for on-production-line automatic calibration of COB and other display modules. Standardized module calibration shipment control, can realize the module in the field of arbitrary splicing, spare module arbitrary replacement, so as to improve the COB display field maintenance and installation efficiency.



Standard test color	Target value			Color management OFF				Color management ON			
	L	x	y	L	x	y	DeltaE	L	x	y	DeltaE
● #745244	185.2	0.4218	0.3594	200.97	0.4067	0.3211	10.676	183.42	0.42	0.3609	0.7339
● #D9792F	601.38	0.5586	0.3959	682.83	0.57	0.3683	15.502	600.06	0.5564	0.3975	1.0622
● #2E3E95	116.62	0.1812	0.129	142.31	0.1518	0.1126	13.396	115.93	0.1797	0.1289	0.5929
● #F6F3ED	1969.6	0.3192	0.3355	2074.9	0.2842	0.2878	25.853	1928.7	0.3174	0.3354	0.9364
● #C49582	717.2	0.4089	0.357	779.96	0.3902	0.3165	17.321	705.36	0.4058	0.357	1.098
● #455CA3	214.99	0.1994	0.1722	246.76	0.1647	0.1453	15.603	213.99	0.1982	0.1721	0.47

Difference between before&after color management and standard: color deviation ΔE is reduced