

A8s/A10s Plus

Product Model	A8s	A10s Plus
Resolution (PWM IC)	512×256	512×512
RGB Parallel Data Group	32	32
Serial Data Group	64	64
MOM (Memory on module)	✓	✓
Smart Module	✓	✓
Receiving Card Backup	✓	✓
Power Supply Backup	✓	✓
Loop Backup	✓	✓
Cabinet Monitoring LCD	✓	✓
Temperature Monitoring	✓	✓
Power Supply Monitoring	✓	✓
Monitoring of Ethernet cable communication status (Supported by dedicated firmware)	✓	✓
CE-EMC Class B	✓	✓
RoHs	✓	✓
Maintenance Function		
Firmware Copy	✓	✓
RCFG Restore and Read	✓	✓



Product Model	A8s	A10s Plus
Calibration Function		
Pixel level color and brightness calibration	✓	✓
Quick seam correction	✓	✓
One-Click Apply Calibration Coefficient in MOM	✓	✓
Calibration Coefficient Backup	✓	✓
Auto Calibration	✓	✓
Performance Enhancements		
Prestored Picture	✓	✓
Rotation per 90°	✓	✓
EMC Optimizing	✓	✓
LVDS Transmission	✓	✓
3D function	✓	✓
Mapping	✓	✓
22bit+	✓	✓
Color Management	✓	✓
65535 calibration of grayscale	✓	✓
ClearView	✓	✓
Free Rotation (with R5)	✓	✓
Low Latency	✓	✓
HDR10-Optima/HLG	✓	✓

KEEP INNOVATING!

MCTRL4K+A8s/A10s Plus



22bit+

64 times dynamic contrast improvement and 0.001nits precise control.



Original LED image



After 22bit+ effect

Color Management

One-click restoration of real color, and intelligent evaluation of color accuracy.



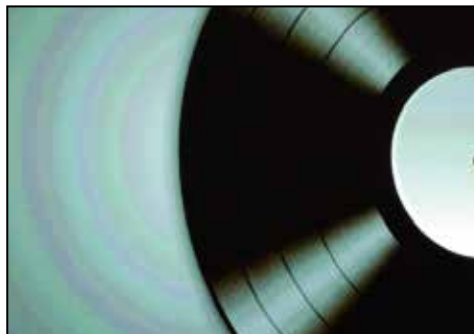
Original LED image



After color management effect

65535 grade calibration of grayscale

Accurate 16bit 65535 grade grayscale calibration for driver IC by using professional optical instruments.



Original LED image



Grayscale effect after 65,535 grade calibration



Standard test color	Target value			Original colors				Managed colors			
	L	x	y	L	x	y	DeltaE	L	x	y	DeltaE
#C49582	199.89	0.41	0.36	408.61	0.28	0.31	69.73955	202.69	0.41	0.36	2.3623
#455CA3	49.30	0.19	0.15	151.74	0.14	0.12	129.1899	54.48	0.19	0.17	7.3249
#45924A	113.59	0.30	0.52	262.31	0.16	0.55	143.173	117.82	0.30	0.53	3.2876
#B12D38	63.07	0.60	0.32	95.73	0.57	0.29	42.75492	64.80	0.59	0.33	2.6878
#BD5290	102.48	0.40	0.24	203.34	0.28	0.17	97.13744	106.43	0.41	0.25	4.484
#E39E34	252.05	0.50	0.43	473.02	0.43	0.48	58.00344	254.26	0.50	0.43	1.6787

Difference between pre and post color management results

