

A8s/A10s Plus

Product Model	A8s	A10s Plus
Resolution (PWM IC)	512×384	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	✓	✓
ClearView	✓	✓
Free Rotation (with R5)	✓	✓
Low Latency	✓	✓
HDR10-Optima/HLG	✓	✓
LED Image Booster	22bit+	✓
	Precise Grayscale	✓
	Color Management	✓

KEEP INNOVATING!

MCTRL4K+A8s/A10s Plus



LED Image Booster



22bit+

64 times dynamic contrast improvement and 0.001nits precise control.



Original LED image



After 22bit+ effect

Precise Grayscale

Accurate 16bit 65536 grade grayscale calibration for driver IC by using professional optical instruments.



Original LED image



Grayscale effect after 65536 grade calibration



Color Management

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



Original LED image



After color management effect

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

