MCM Indoor eDisplay Specifications

Outdoor Display

	Pitch Name	P10.0
Physical Parameters	Pixel Configuration	Single SMD
	Pixel Pitch (mm)	10.00
	Screen Resolution (W × H)	40 × 30
	Screen Dimensions (W × H × D, mm)	1,200 × 600 × 30
	Screen Surface Area (m²)	0.72
	Screen Weight (kg)	6.4
	Weight per Square Meter (kg/m²)	8.9
	Physical Pixel Density (pixels/m²)	14,400
	Flatness of Cabinet (mm)	±1.0
	Backbone Material	Aluminium honeycomb composite panel
	Service Access	Front and Rear
Optical Specifications	Max. Brightness (After Calibration, nit)	6,000
	Color Temperature (K)	3,500-8,500
	Visual Viewing Angle (H × V)	160 × 110
	Brightness Uniformity	97%
	Color Uniformity	±0.05 Cx, Cy
	Contrast Ratio	7,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W, Max.)	300
	Power Consumption (W, Avg.)	120
	Power Consumption (W/m², Max.)	417
	Heat Dissipation (BTU/h, Max.)	3,413
	Heat Dissipation (BTU/h, Avg.)	1,365
	Heat Dissipation (BTU/h/m², Max.)	4,740
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	7,680
Operation Specifications	LED Lifetime (Half Brightness)	100,000
	Operating Temperature (°C)	-30 to +50
	Operating Humidity	0-90% RH
	IP Rating Front / Rear	IP65 / IP65
Speaker		N/A
Environment		RoHS, REACH
Controller		Embedded
I/O Port		HDMI (3), USB (3)

CERTIFICATIONS

IEC 62341, FCC, UL 1310, SJ/T 11141-2012, GB/T 17618, IEC 60950-1

MCM Indoor eDisplay Specifications

Indoor Display

		Indoor Display
	Pitch Name	P0.78
Physical Parameters	Pixel Configuration	Micro
	Pixel Pitch (mm)	0.78
	Screen Resolution (W × H)	3,940 × 2,160
	Screen Dimensions (W × H × D, mm)	1,200 × 600 × 30
	Screen Surface Area (m²)	0.72
	Screen Weight (kg)	6.4
	Weight per Square Meter (kg/m²)	8.9
	Physical Pixel Density (pixels/m²)	1,638,400
	Flatness of Cabinet (mm)	±0.2
	Backbone Material	Aluminium honeycomb composite panel
	Service Access	Front
Optical Specifications	Max. Brightness (After Calibration, nit)	500 / (Peak) 1,000
	Color Temperature (K)	3,200-9,300
	Visual Viewing Angle (H × V)	160 × 160
	Brightness Uniformity	95%
	Color Uniformity	±0.015 Cx Cy
	Contrast Ratio	25,000 : 1 @ 10lux
	Processing Depth (bit)	20 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W, Max.)	1,000
	Power Consumption (W, Avg.)	400
	Power Consumption (W/m², Max.)	1,389
	Heat Dissipation (BTU/h, Max.)	4,950
	Heat Dissipation (BTU/h, Avg.)	2,900
	Heat Dissipation (BTU/h/m², Max.)	6,875
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	3,840
Operation Specifications	LED Lifetime (Half Brightness)	100,000
	Operating Temperature (°C)	0 to + 40
	Operating Humidity	10-80% RH
	IP Rating Front / Rear	IP50 / IP20
	Speaker	Built-in (10 W + 10 W)
	Environment	RoHS, REACH
	Controller	Embedded
	I/O Port	HDMI (3), USB (3)

CERTIFICATIONS

IEC 62341, FCC, UL 1310, SJ/T 11141-2012, GB/T 17618, IEC 60950-1