

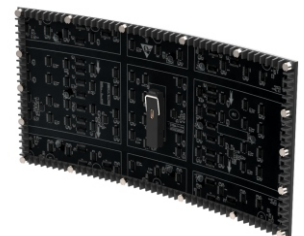
LCH II Flex Series

INNOVATIVE FLEXIBLE LED DISPLAY MODULE



Overview of LCH II Flex Series

LCH II is a new generation of LED display products , adopting the industry's first Type-C interface, combining the power and signal cables into one, with faster transmission efficiency and more stable data, and realizing the blind plug-in function of power and signal in the industry for the first time. LCH II series also highly integrates the power supply adapter board, and receiver card to create the intelligent control box M16A, which makes the installation, maintenance and upgrading become simpler improving the reliability and stability of the display.



KEY FEATURES



Suitable for various shapes
Unique design, soft and curved



SEAMLESS SPLICING
Customizable Any Splicing



NEW CONNECTION TYPE-C CONNECTOR
2 in1 Power&Signal
Stronger Stability Easier to install



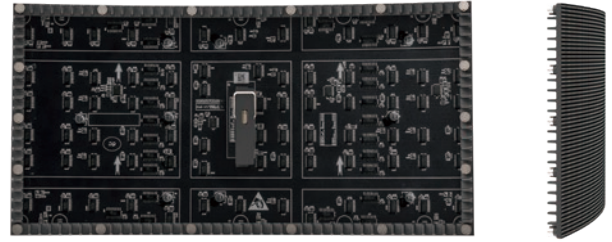
SELF-DEVELOPED CHIP
Smart Auto-detect
Strong Auto-EMI Ability



DTL PROTOCOL
Smart and fast



INTELLIGENT CONTROLLER M16A
Highly Integrated
Safe and Reliable



Item	LCH1.1IFlex	LCH1.2IFlex	LCH1.5IFlex	LCH1.8IFlex	LCH2.1IFlex	LCH2.5IFlex
Pixel Configuration	SMD					
Pixel Pitch (mm)	1	1.25	1.53	1.86	2	2.5
Module Resolution (WxH)	320x160	256x128	208x104	172x86	160x80	128x64
Module Size (mm)(WxH)	320x160					
Module Weight(Kg)	0.21±0.05					
Unit Area (m ²)	0.0512					
Pixel Density	1,000,000	640,000	422,500	288,906	250,000	160,000
Brightness (nits)	≥500	≥500	≥500	≥500	≥500	≥500
Color Temperature (K)	3000~38000 Adjustable					
Horizontal Viewing Angle (°)	160					
Vertical Viewing Angle (°)	140					
Deviation of LED Luminance Center	<3%					
Brightness Uniformity	≥97%					
Color Uniformity	Within ±0.003 Cx,Cy					
Contrast Ratio	8000:1					
Min Diameter of Concave & Convex Application (m)	1					
MAX. Power Consumption (W/m ²)	≤380	≤380	≤380	≤380	≤380	≤380
AVG. Power Consumption (W/m ²)	≤128	≤128	≤128	≤128	≤128	≤128
Power Supply (V)	DC:4.2					
Single Module Current (A)	4	4	4	4	4	4
Drive Mode (Constant Current Drive)	54S	64S	52S	43S	40S	64S / 32S
Frame Rate(Hz)	50&60					
Refresh Rate(Hz)	≥4800					
Lifetime(hrs)	100,000					
Operation Temperature (°C)	-10~40					
Storage Temperature (°C)	-20~60					
Operation Humidity (RH)	10~80% no condensation					
Storage Humidity (RH)	10~85% no condensation					