

InnoEco Series

HD Outdoor Fine Pitch LED Screen



Overview of InnoEco Series

InnoEco outdoor LED display is designed for high efficiency, visual excellence, and long-term reliability. By combining advanced common cathode technology, multi-level energy-saving control, and a robust all-aluminum structure, it delivers vivid image quality with significantly reduced power consumption. It is ideal for premium commercial displays, building façades, storefronts, and urban landmark projects where viewers are in proximity and high image quality is essential.

KEY FEATURES



Fine Pixel Pitch for Close Viewing
Delivers sharp, detailed images for short viewing distances



Common Cathode Energy Saving
Reduces power consumption by over 20% while lowering screen temperature



High-End Visual Performance
3840Hz refresh rate, high contrast, and 16-bit grayscale for premium image quality



Advanced Driving Technology
Ensures smooth grayscale transitions and accurate color reproduction



Flexible Modular Design
Supports wall-mounted, hanging, and floor-standing installations



IP65 Outdoor Protection
All-aluminum design for reliable operation in demanding outdoor environments.

SPECIFICATIONS

InnoEco Series

Outdoor Commercial

Item	InnoEco019	InnoEco026	InnoEco029	InnoEco039	InnoEco048
Pixel Composition (SMD)	1415	1415	1415	1415	1921
Pixel Pitch (mm)	1.95	2.604	2.97	3.91	4.81
Module Resolution (W × H)	128×128	96×96	84×84	64×64	52×52
Module Size (W x H x D)mm	250×250×18				
Module Weight (kg)	1				
Module Qty/Cabinet (W × H)	2×4				
Cabinet Resolution (W × H)	256×512	192×384	168×336	128×256	104×208
Cabinet (W x H x D)mm	500×1000×85(Customizable Options Available)				
Cabinet Area (m²)	0.5				
Cabinet Weight(kg/cabinet)	16				
Cabinet Material	Aluminum Profiles				
Pixel Density (Point/m²)	262144	147456	112896	65536	43264
IP Rating	IP65				
White Balance Brightness (nits)	≥4500	≥5000	≥5000	≥5500	≥5000
Color Depth(bit)	14	16	16	16	16
Color Temperature (K)	6500-9000				
Visual Angle (H/V)	140°/ 120°				
Luminous point center deviation	<3%				
Luminance uniformity	≥ 97%				
Chromaticity uniformity	Within ±0.003Cx, Cy				
Contrast Ratio	≥ 5000:1				
Max Power Consumption (W/m²)	500	500	500	650	650
Average Power Consumption (W/m²)	168	168	168	218	218
Input Voltage	AC100~240V				
Frequency (Hz)	50&60				
IC Driving (s)	1/32	1/24	1/21	1/8	1/13
Refreshing Ratio (Hz)	3840				
Maintenance Method	Front and Rear				
Lifespan (hrs)	100,000				
Work Temperature/Humidity	-10℃-50℃/10%RH-98%RH (Non Condensing)				
Storage Temperature/Humidity	-20℃-60℃/10%RH-98%RH (Non Condensing)				

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