

LUXVISION

Indoor LED

EcoLux HD X Series



Next-gen LED display technology

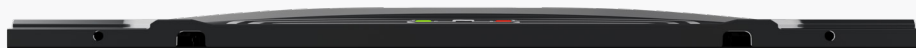
The EcoLux HD X Series combines cutting-edge chip-on-board (COB) technology with LuxVision's signature craftsmanship. Designed for high-performance settings, this display offers unmatched image clarity, enhanced durability, and seamless integration into modern environments.

Stunning Visuals with COB Technology

The EcoLux HD X offers next-level visual performance with a blend of advanced design and cutting-edge chip-on-board (COB) technology. This display delivers stunning colour accuracy, ultra-high contrast of up to 20,000:1, and true-to-life imagery that draws viewers in. The full black LEDs and ultra-matte mask ensure deep contrast, making this display ideal for environments with ambient lighting. With a high refresh rate and cinema-level HDR, your content looks consistently impressive, whether viewed up close or across the room.

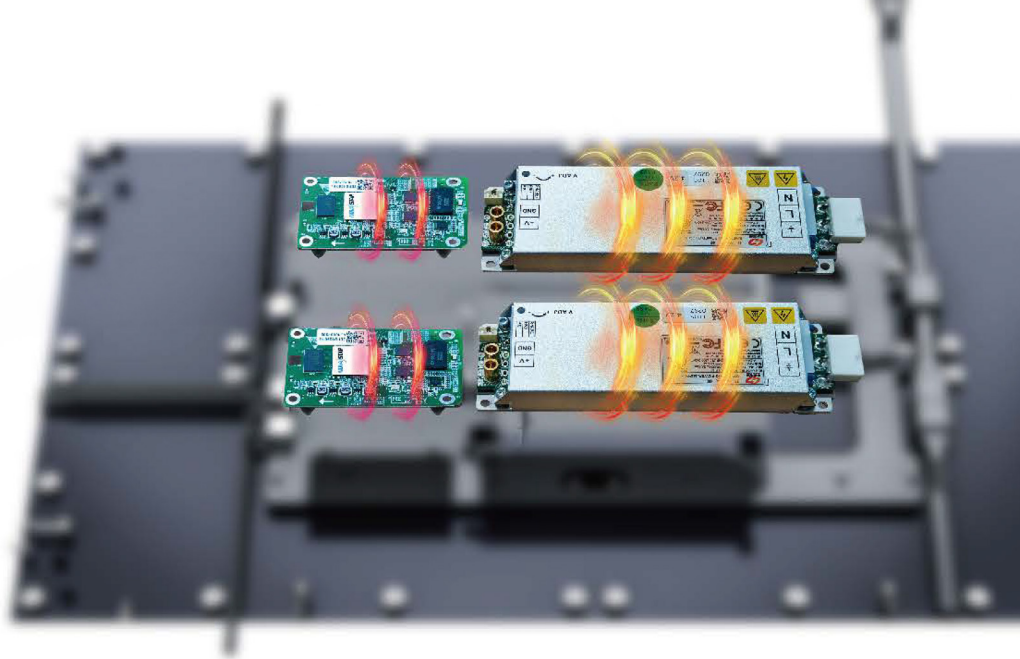
Designed for Modern Spaces

At just 19.5 mm thick, the EcoLux HD X combines sleek aesthetics with practical functionality. Its integrated mounting system keeps the display surface within 4 cm of the wall, blending seamlessly into studios, control rooms, and meeting spaces.



Advanced COB design for superior performance and durability

Unlike traditional surface-mounted device (SMD) LEDs, where the chip is mounted on the surface and connected through wires, COB technology places the LED chip directly onto the board with the chip facing downward. This design eliminates the need for traditional bonding wires, resulting in a more robust and efficient system.



Durability In Every Pixel

Directly mounting the chips creates a more compact and uniform structure that is less vulnerable to mechanical failures like wire breakage or poor connections. The LEDs are encased in a protective layer that shields them from dust, moisture, and accidental impacts. This durable design ensures reliable performance in high-traffic environments while minimizing the risk of mechanical failure.

Certified Components for Lasting Reliability

Every EcoLux display is crafted with high-quality, certified components to minimize failure points and ensure long-term stability. Reinforced connectors, robust wiring, and dual power and data systems work together to deliver a durable, dependable display that's easy to service and built to perform without interruptions.

Smarter Energy Use

Engineered for greater energy efficiency, COB technology reduces power consumption, making this display a practical choice for continuous operation. Lower energy usage translates to significant cost savings and a more environmentally sustainable solution without compromising on brightness or quality.



Visual Excellence, Every Time

COB technology takes clarity to new heights with ultra-tight pixel pitch and deeper colour saturation. The result? Images so sharp and lifelike, you'll forget they're on a screen. The expanded viewing angles and enhanced contrast ensure your content captivates from any perspective.

EcoLux HD X Series



Cabinet Specifications

Physical Parameters

Pixel Pitch (mm)	0.93	1.25	1.56
Resolution (px)	640 × 360	480 × 270	384 × 216
Pixel Configuration	COB		
Cabinet Material	Aluminum		
Cabinet Dimensions (W x H, mm)	600 × 337.5		
Weight Per Cabinet (kg / lb)	4.5 / 9.9		
Service Access	Front		
Mounting System	Factory wall-mounting system		

Optical Specifications

Brightness (nits)	800	1,000	1,000
Contrast Ratio	20,000:1		
Viewing Angle (Horizontal / Vertical)	160° / 160°		
Colour Temperature (Default, Adjustable)	6,500K		
Refresh Rate (Hz)	3,840		
Multiplex	1/30	1/27	1/24

Electrical Specifications

Power Consumption (Watts/Cabinet, Max.)	50
Power Consumption (Watts/Cabinet, Avg.)	20

Operation Specifications

Operating Temperature	-10°C~+45°C
Operating Humidity	10~90%RH non-condensing
Lifetime (Hours)	100,000
Standard Warranty	2 years

Certification and Compliance

Safety	CE, FCC, RoHS, ETL
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