

UHD2 Series

FLIP CHIP COB LED TECHNOLOGY
ENERGY EFFICIENT, NEXT GEN CAPABILITIES
UHD-2 RESOLUTION DISPLAYS (8K AND BEYOND)



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The UHD2 Series features state-of-the-art Flip Chip COB (Chip-on-Board) LED technology, delivering unmatched durability and performance in ultra-high-definition resolutions.

Durability & Reliability

Built with rugged Flip Chip COB technology, the UHD2 Series delivers reliable, long-lasting performance, resisting impact, dust, and moisture—ideal for demanding, high-traffic environments.

Versatile Pixel Pitch

The UHD2 Series offers a versatile range of pixel pitches from an ultra-fine 0.78mm to 1.8mm.

Brightness & Contrast

With brightness levels reaching up to 2000 nits and contrast ratios as high as 20,000:1, the UHD2 Series guarantees stunning visuals in any environment, even under low-light conditions.

3 Distinct Performance Tiers

Premium Line:

- Powered by the latest XM IC driver, it features:
- Significantly reduced heat and power consumption—up to 50% less than Economy options.
- Highest refresh rates (up to 7680 Hz) for seamless visual performance.
- Unparalleled gray scale (16-bit) and contrast ratio (20,000:1) for vivid visuals even in challenging environments.

Standard Line:

Equipped with common cathode IC drivers, balancing energy efficiency with competitive performance.

Economy Line:

A reliable entry-level option with common anode drivers.

The Ideal Solution for:

- Broadcast Studios
- Interactive Exhibits/Museums
- Retail Spaces
- Corporate Environments



UHD2 SERIES SPECIFICATIONS

DISPLAY PROPERTIES	Pixel Pitch	0.78mm	0.93mm	1.25mm	1.56mm	1.8mm
	Resolution (H/V)	768x432 px	640x360 px	480x270 px	384x216 px	320x360 px
	Brightness	≤ 2000 nits	≤ 2000 nits	≤ 2000 nits	N/A	N/A
	Premium	N/A	600 nits	600 nits	600 nits	N/A
	Standard	N/A	600 nits	600 nits	-	600 nits
	Economy					
	Refresh Rate	≤ 7680 Hz	≤ 7680 Hz	≤ 7680 Hz	N/A	N/A
ENGINEERING	Premium	N/A	≤ 3840 Hz	≤ 3840 Hz	≤ 3840 Hz	N/A
	Standard	N/A	≤ 1920 Hz	≤ 1920 Hz	-	≤ 1920 Hz
	Economy					
	Scan Rate	1/36	1/36	1/27	N/A	N/A
	Premium	N/A	1/54	1/60	1/48	N/A
	Standard	N/A	1/54	1/60	-	1/60
	Economy					
	Gray / Contrast	16 bit / 20,000 : 1	16 bit / 20,000 : 1	16 bit / 20,000 : 1	N/A	N/A
	Premium	N/A	> 13 bit / 15,000 : 1	> 13 bit / 15,000 : 1	> 13 bit / 15,000 : 1	N/A
	Standard	N/A	> 13 bit / 15,000 : 1	> 13 bit / 15,000 : 1	-	N/A
	Economy					> 13 bit / 15,000 : 1
	Viewing Angle (H/V)	≤ 160° / 160°				
	Pixel Type	Flip Chip COB				
	Drive Type	XM, Common Cathode ICN, Common Cathode ICN, Common Anode				
	Panel Weight	10.14 lbs				
	Panel Dimensions (W x H x D)	600 x 337.5 x 35mm 23.6 x 13.3 x 1.38in				
	Installation & Service	Front				
	Operating Voltage	AC 100 ~ 240V (50 ~ 60Hz)				
	Power/Panel Max/Avg	72.9 / 24.3 W	33.4 / 11.1 W	32.4 / 10.1 W	N/A	N/A
	Premium	N/A	56.7 / 19.2 W	54.7 / 18.2 W	54.7 / 18.2 W	N/A
	Standard	N/A	77.0 / 25.7 W	66.8 / 22.3 W	-	65.8 / 22.3 W
	Economy					
	BTU/hr/Panel Max	249	114	111	N/A	N/A
	Premium	N/A	194	187	187	N/A
	Standard	N/A	263	228	-	225
	Economy					
	Certifications	FCC, ETL, CE				

Specifications are accurate at time of printing. Actual specifications may vary due to customizations or updates. Specifications should be confirmed upon ordering



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