

URANUS SERIES

Indoor Creative LED Display



The Uranus Series from Aura Vision pushes the boundaries of display technology with its revolutionary flexible LED design. These displays offer unparalleled versatility and stunning visuals, making them ideal for a wide range of applications, from architectural installations to digital art.

OVERVIEW & APPLICATIONS

- **Flexible LED Design:**
 - The Uranus Series' flexible LED panels allow you to create seamless curve screens, both concave and convex, to fit any space or design aesthetic.
- **Customizable Curves:**
 - Benefit from the ability to create custom curve diameters with the provided cabinet housing, ensuring a precise and visually stunning display.
- **Front Protection Layer:**
 - Enjoy peace of mind with the Uranus Series' built-in front protection layer, safeguarding your display from scratches, dust, and other environmental elements.
- **High Resolution:**
 - Immerse yourself in stunning visuals with the Uranus Series' exceptional resolution, delivering crisp and detailed images.

The Uranus Series is more than just a display; it's a powerful tool for creating immersive and unforgettable visual experiences.

- **Applications:**
 - Retail & Hospitality
 - Transportation
 - Corporate (Lobby and auditoriums)
 - Healthcare
 - Museums

SPECIFICATIONS

AV MODEL	URANUS-1.2 F	URANUS-1.5 F	URANUS-1.5	URANUS-1.8 F	URANUS-1.8
Pixel pitch	1.25 mm	1.56 mm	1.56 mm	1.87 mm	1.87 mm
Pixel density	640,000 px/m ²	409,600 px/m ²	409,600 px/m ²	284,444 px/m ²	284,444 px/m ²
LED technology	Flip-Chip SMD GOB	Flip-Chip SMD GOB	SMD 3-in-1 GOB	Flip-Chip SMD GOB	SMD 3-in-1 GOB
Module size	300 x 168.75 x 6.25 mm				
Module resolution	240 x 135 px	192 x 108 px	192 x 108 px	160 x 90 px	160 x 90 px
Module area	0.05 m ²				
Panel size	Based on project requirements				
Weight	< 35 Kg/m ²				
Housing material	Iron Cabinet				
Minimum diameter	800 mm	764 mm	764 mm	764 mm	764 mm
Operation brightness	> 1,000 nits	> 1,000 nits	> 600 nits	> 1,000 nits	> 600 nits
Brightness uniformity	>95%	>95%	>95%	>95%	>95%
Refresh rate	≤ 3,840 Hz	≤ 3,840 Hz	≤ 3,840 Hz	≤ 3,840 Hz	≤ 3,840 Hz
Viewing angle	Hor: 165° • Ver: 165°	Hor: 165° • Ver: 165°	Hor: 160° • Ver: 160°	Hor: 165° • Ver: 165°	Hor: 160° • Ver: 160°
Gray scale	14 bit				
Color temperature	3,000 ~ 10,000 K				
Color gamut	95% DCI-P3 • 100% REC. 709				
Frame frequency	60 Hz • 120 Hz				
Contrast ratio	10,000:1	10,000:1	3,000:1	10,000:1	3,000:1
Color processing	8 bit • 10 bit				
Max power consumption	580 W/m ²	580 W/m ²	500 W/m ²	580 W/m ²	500 W/m ²
Avg power consumption	174 W/m ²	174 W/m ²	150 W/m ²	174 W/m ²	150 W/m ²
Max heat dissipation	1983 BTU/hr/m ²	1983 BTU/hr/m ²	1710 BTU/hr/m ²	1983 BTU/hr/m ²	1710 BTU/hr/m ²
Avg heat dissipation	595 BTU/hr/m ²	595 BTU/hr/m ²	513 BTU/hr/m ²	595 BTU/hr/m ²	513 BTU/hr/m ²
Working voltage	AC 110V ~ 220V • 50 ~ 60 Hz				
Operating temperature	0°C ~ 40°C				
Storage temperature	-20°C ~ 50°C				
Operating humidity	10% RH~90% RH				
LED lifetime	100,000 hours				
Service	Front installation				
Warranty	2 years standard • 5 years extended				

SPECIFICATIONS

AV MODEL	URANUS-1.2	URANUS-1.6	URANUS-1.8	URANUS-2.5	URANUS-3	URANUS-4
Pixel pitch	1.25 mm	1.66 mm	1.87 mm	2.5 mm	3 mm	4 mm
Pixel density	640,000 px/m ²	360,000 px/m ²	284,444 px/m ²	160,000 px/m ²	111,111 px/m ²	62,500 px/m ²
LED technology	SMD 3-in-1 GOB	SMD 3in1 GOB	SMD 3in1 GOB	SMD 3-in-1 GOB	SMD 3in1 GOB	SMD 3in1 GOB
Module size	240 x 120 x 6.25 mm	240 x 160 x 6.05 mm	270 x 120 x 6.05 mm	240 x 160 x 6.4 mm	240 x 120 x 6.6 mm	240 x 120 x 6.6 mm
Module resolution	192 x 96 px	144 x 96 px	144 x 64 px	96 x 64 px	80 x 40 px	60 x 30 px
Module area	0.03 m ²	0.04 m ²	0.03 m ²	0.04 m ²	0.03 m ²	0.03 m ²
Panel size	Based on project requirements					
Weight	< 35 Kg/m ²					
Housing material	Iron Cabinet					
Minimum diameter	1200 mm	764 mm	764 mm	764 mm	764 mm	764 mm
Operation brightness	> 600 nits	> 600 nits	> 600 nits	> 800 nits	> 800 nits	> 600 nits
Brightness uniformity	>95%					
Refresh rate	≤ 3,840 Hz					
Viewing angle	Horizontal: 160° • Vertical: 160°					
Gray scale	14 bit					
Color temperature	3,000 ~ 10,000 K					
Color gamut	95% DCI-P3 • 100% REC. 709					
Frame frequency	60 Hz • 120 Hz					
Contrast ratio	3,000:1					
Color processing	8 bit • 10 bit	8 bit • 10 bit	8 bit • 10 bit	8 bit • 10 bit	8 bit • 10 bit	8 bit • 10 bit
Max power consumption	550 W/m ²	400 W/m ²	550 W/m ²	400 W/m ²	390 W/m ²	350 W/m ²
Avg power consumption	165 W/m ²	120 W/m ²	165 W/m ²	120 W/m ²	117 W/m ²	105 W/m ²
Max heat dissipation	1881 BTU/hr/m ²	1,368 BTU/hr/m ²	1881 BTU/hr/m ²	1,368 BTU/hr/m ²	1,333 BTU/hr/m ²	1,197 BTU/hr/m ²
Avg heat dissipation	564 BTU/hr/m ²	410 BTU/hr/m ²	564 BTU/hr/m ²	410 BTU/hr/m ²	400 BTU/hr/m ²	359 BTU/hr/m ²
Working voltage	AC 110V ~ 220V • 50 ~ 60 Hz					
Operating temperature	0°C ~ 40°C					
Storage temperature	-20°C ~ 50°C					
Operating humidity	10% RH~90% RH					
LED lifetime	100,000 hours					
Service	Full front installation & maintenance					
Warranty	2 years standard • 5 years extended					