

MERCURY SERIES

Outdoor Fixed Installation LED Display



The MERCURY Series from Aura Vision is designed to redefine outdoor LED displays, delivering exceptional performance and durability in even the most challenging environments.

OVERVIEW & APPLICATIONS

- **Module with Die-Cast Aluminum:**
 - Benefit from exceptional durability and longevity with the MERCURY Series' modules constructed with die-cast aluminum.
- **Wide Range of Pixel Pitch:**
 - Choose the ideal pixel pitch for your specific needs, with options ranging from 1.9mm to 10mm to suit various viewing distances and applications.
- **Resistance to Extreme Weather Conditions:**
 - The MERCURY Series is built to withstand extreme weather conditions, ensuring reliable performance in even the most challenging environments.
 - The MERCURY Series is IP-rated to protect against ingress of water and dust, ensuring reliable performance in outdoor settings.
- **Front & Back Installation and Maintenance:**
 - Enjoy easy access and maintenance with both front and back installation and maintenance options.
- **High Brightness:**
 - Deliver clear and vibrant visuals, even in bright sunlight, with the MERCURY Series' high brightness output.
- **Applications:**
 - Retail & Hospitality
 - Transportation
 - Building Facades
 - Outdoor billboards
 - Sport Venues

SPECIFICATIONS

MODEL	MERCURY-1.9	MERCURY-2.9	MERCURY-3.9	MERCURY-4.8
Pixel pitch	1.95 mm	2.97 mm	3.91 mm	4.81 mm
Pixel Density	262,144 px/m ²	112,896 px/m ²	65,664 px/m ²	43,264 px/m ²
LED Technology	SMD 3-in-1 GOB		SMD 3-in-1	
Module size	250 x 250 mm	250 x 250 mm	480 x 320 x 19.5 mm	500 x 250 mm
Module resolution	128 x 128 px	84 x 84 px	123 x 82 px	104 x 52 px
Module housing material	Die-Cast Aluminum			
Panel size	500 x 500 x 66 mm	500 x [500; 750; 1000] x 101 mm	960 x 960 x 89 mm	500 x [500; 750; 1000] x 101 mm
Panel resolution	256 x 256	168 x [168; 252; 336] px	246 x 246 px	104 x [104; 156; 208] px
Weight	36 Kg /m ²	30 Kg /m ²	29 Kg /m ²	30 Kg /m ²
Housing Material	Aluminum Profile			
IP rating	IP65	IP66	IP66	IP66
Peak Brightness	4000 nits	4500 nits	5000 nits	7000 nits
Operation Brightness	3500 nits	4000 nits	4500 nits	6500 nits
Brightness Unirformity	>98%			
Calibration	Brightness • chroma			
Refresh rate	≥3840 Hz			
Viewing angle	Hor: 160° • Ver: 160°	Hor: 160° • Ver: 90°	Hor: 160° • Ver: 55°-65°	Hor: 160° • Ver: 90°
Contrast Ratio	7,000:1	5,000:1	3000:1	8,000:1
Gray Scale	≥14 bit			
Frame frequency	50 / 60 Hz			
Color temperature	3,000 ~ 10,000K	3,000 ~ 10,000K	2000-12000 K	3,000 ~ 10,000K
Color format	8 bit or 16 bit	8 bit or 16 bit	8bit	8 bit or 16 bit
Max power consumption	≤560 W/m ²	≤700 W/m ²	650 W/m ²	≤760 W/m ²
Avg power consumption	≤200 W/m ²	≤280 W/m ²	220 W/m ²	≤300 W/m ²
Heat dissipation on max	1915 BTU/hr/m ²	2393 BTU/hr/m ²	2222 BTU/hr/m ²	2598 BTU/hr/m ²
Heat dissipation on Avg.	680 BTU/hr/m ²	957 BTU/hr/m ²	752 BTU/hr/m ²	1025 BTU/hr/m ²
Input Voltage	100V ~ 240V • 50 ~ 60Hz			
Output Voltage	DC 4.2 V	DC 4.2 V	DC 4.5 V	DC 4.2 V
Operating temp	-20°C ~ 60°C	-30°C ~ 65°C	-20°C ~ 50°C	-30°C ~ 65°C
Operating humididy	10% RH ~ 90% RH			
LED lifetime	100,000 hours			
Serviceability	Front & Rear installation & maintenance			
Warranty	2 years standard • 5 years extended			
Certification	CB • IEC • IECEE • TÜV			

SPECIFICATIONS

MODEL	MERCURY-5.7	MERCURY-6.6	MERCURY-8	MERCURY-10
Pixel pitch	5.71 mm	6.66 mm	8 mm	10 mm
Pixel Density	30,625 px/m ²	22,500 px/m ²	15,625 px/m ²	10,000 px/m ²
LED Technology	SMD 3-in-1			
Module size	480 x 320 x 19.5 mm	480 x 320 x 19.5 mm	480 x 320 x 19.5 mm	480 x 320 x 19.5 mm
Module resolution	84 x 56 px	72 x 48 px	60 x 40 px	48 x 32 px
Module housing material	Die-Cast Aluminum			
Panel size	960 x 960 x 89 mm	960 x 960 x 89 mm	960 x 960 x 89 mm	960 x 960 x 89 mm
Panel resolution	168 x 168 px	144 x 144 px	120 x 120 px	96 x 96 px
Weight	29 Kg /panel			
Housing material	Aluminum profile			
IP rating	IP66			
Peak brightness	6,000 ~ 10,000 nits			
Operation brightness	5,500 ~ 9,000 nits			
Brightness uniformity	>98%			
Calibration	Brightness • chroma			
Refresh rate	3,840 ~ 7,680 Hz			
Viewing angle	Hor: 160° • Ver: 120°	Hor: 160° • Ver: 35°-55°	Hor: 160° • Ver: 20°-45°	Hor: 160° • Ver: 20°-60°
Contrast ratio	5,000:1			
Gray scale	≥14 bit			
Frame frequency	50 Hz • 60 Hz • 120 Hz			
Color temperature	2,000 ~ 12,000 K			
Color format	8 bit			
Max power consumption	≤610 W/m ²			
Avg power consumption	≤183 W/m ²			
Heat dissipation on max	≤2,086 BTU/hr/m ²			
Heat dissipation on Avg.	≤626 BTU/hr/m ²			
Input voltage	AC 100V ~ 240V • 50 ~ 60 Hz			
Output voltage	DC 4.2V • 3.2V			
Operating temperature	-20°C ~ 50°C			
Operating humidity	10% RH ~ 90% RH			
LED lifetime	100,000 hours			
Serviceability	Front & rear installation & maintenance			
Warranty	2 years standard • 5 years Extended			
Certification	CB • CE • ROHS10 • Photobiosafety			