

newline DV APEX



Indoor or Outdoor
Usability



Easy
Maintenance



Flexible Shape
and Installation



GOB High
Protection



Modular Cabinet
Design



Mix and Match
Splicing

INDOOR & OUTDOOR RENTAL LED DISPLAY

DV Apex is a versatile indoor and outdoor LED display available in two cabinet sizes that can be mixed and matched to meet various size requirements. Its modular cabinet design allows interchangeable pixel pitch modules for easy upgrades and fast front or rear maintenance, with a removable power box for added convenience. Designed for hanging or floor stacking, DV Apex supports flat, curved, cube, and column configurations. With corner protectors, enhanced heat dissipation, and optional GOB coating for anti-collision, moisture resistance, and durability, it delivers flexibility, protection, and reliable performance for a variety of applications.

newline

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Newline DV APEX Indoor & Outdoor Rental LED Display Specifications

INDOOR				
Pixel Pitch (mm)	1.95	2.61	2.97	3.91
Pixel Configuration	SMD 1212	SMD 1515	SMD 1515	SMD 2121
Cabinet Size (mm) (W x H x D)	500 x 500 x 68	500 x 500 x 68	500 x 500 x 68 500 x 1000 x 68	500 x 500 x 68 500 x 1000 x 68
Cabinet Size (inches) (W x H x D)	19.69 x 19.69 x 2.68	19.69 x 19.69 x 2.68	19.69 x 19.69 x 2.68 19.69 x 39.37 x 2.68	19.69 x 19.69 x 2.68 19.69 x 39.37 x 2.68
Cabinet Resolution (mm) (W*H)	256 x 256	192 x 192	168 x 168 168 x 336	128 x 128 128 x 256
Pixel Density (dots/m ²)	262,144	147,456	112,896	65,536
Brightness (nits)	800	1000	1000	1200
Cabinet Weight (kg)	6.9	6.9	6.9 / 11.5	6.9 / 11.5
Cabinet Weight (lbs)	15.21	15.21	15.21 / 25.35	15.21 / 25.35
IP Level	IP41			
Max. Power Consumption (W/m ²)	≤500	≤500	≤500	≤500
Avg. Power Consumption (W/m ²)	≤ 170	≤ 170	≤ 170	≤ 170
Cabinet Material	Die-cast aluminum			
Gray Scale (bit)	14~16			
Refresh Rate (Hz)	3840~7680			
Frame Rate (Hz)	50/60			
Viewing Angle (H/V)	140°/140°			
Working Voltage (V)	AC: 100V~240V, 50/60Hz			
Cabinet Flatness (mm)	≤0.15			
Maintenance Mode	Front & Rear			
Operation Temp	14 ~ 104 °F (-10 ~ +40 °C)			
Operation Humidity (RH)	10% ~ 80%			
Lifetime (H)	100,000			
OUTDOOR				
Pixel Pitch (mm)	2.9	3.91	4.81	5.9
Pixel Configuration	SMD 1415	SMD 1921	SMD 1921	SMD 2727
Cabinet Size (mm) (W x H x D)	500 x 500 x 72 500 x 1000 x 72	500 x 500 x 72 500 x 1000 x 72	500 x 500 x 72 500 x 1000 x 72	500 x 500 x 72 500 x 1000 x 72
Cabinet Size (inches) (W x H x D)	19.69 x 19.69 x 2.83 19.69 x 39.37 x 2.83	19.69 x 19.69 x 2.83 19.69 x 39.37 x 2.83	19.69 x 19.69 x 2.83 19.69 x 39.37 x 2.83	19.69 x 19.69 x 2.83 19.69 x 39.37 x 2.83
Cabinet Resolution (mm) (W*H)	168 x 168 168 x 336	128 x 128 128 x 256	104 x 104 104 x 208	84 x 84 84 x 168
Pixel Density (dots/m ²)	112,896	65,536	43,264	28,224
Brightness (nits)	4000	4500	4500	5000
Cabinet Weight (kg)	7.7 / 12.8	7.7 / 12.8	7.7 / 12.8	7.7 / 12.8
Cabinet Weight (lbs)	16.98 / 28.22	16.98 / 28.22	16.98 / 28.22	16.98 / 28.22
IP Level	IP65			
Max. Power Consumption (W/m ²)	≤600	≤600	≤600	≤600
Avg. Power Consumption (W/m ²)	≤200	≤200	≤200	≤200
Cabinet Material	Die-cast aluminum			
Gray Scale (bit)	14~16			
Refresh Rate (Hz)	3840~7680			
Frame Rate (Hz)	50/60			
Viewing Angle (H/V)	140°/140°			
Working Voltage (V)	AC: 100V~240V, 50/60Hz			
Cabinet Flatness (mm)	≤0.15			
Maintenance Mode	Front & Rear			
Operation Temp	-4 ~ 122 °F (-20~+50 °C)			
Operation Humidity (RH)	10% ~ 95%			
Lifetime (H)	100,000			