

# newline **DV** ELEMENT



Outdoor LED  
Display



Ultra Bright  
Display



Weather  
Protected



Lightweight  
Modular Design



Energy  
Saving



Fast Installation  
and Maintenance

## NEWLINE'S FIRST **OUTDOOR LED SOLUTION**

Introducing the DV Element, Newline's first LED solution for outdoor use. Designed to withstand a variety of weather conditions while delivering exceptional visual performance, the DV Element is the pinnacle of outdoor signage technology. Engineered with high-quality LED modules that offers up to 12000 nits of customized brightness, the DV Element ensures brilliant illumination and vibrant colors, even in direct sunlight, making it perfect for outdoor advertising, sports arenas, and large-scale events. Its rugged construction and IP66-rated protection guarantees durability and reliability, allowing it to thrive in various environments. The DV Element features an energy-saving driver chip that reduces power consumption and its modular cabinet design makes installation fast and easy. With advanced control and monitoring systems, the DV Element offers seamless integration and management, enabling effortless content updates and maintenance. Whether used for dynamic advertising or live event broadcasting, the DV Element outdoor LED solution sets a new standard for outdoor visual communication.

# DV ELEMENT

## Newline DV Element Outdoor LED Solution Specifications

Pixel Pitch (mm)	1.95	2.604	2.97	3.91	4.44	5.7	6.67	8	10
LED Type	SMD								
Resolution (W x H)	128 x 128	96 x 96	84 x 84	64 x 64	108 x 72	84 x 56	72 x 48	60 x 40	48 x 32
Module Size (inches) (W x H)	9.8 x 9.8 x 0.7				18.89 x 12.59 x 0.63				
Module Size (mm) (W x H)	250 x 250 x 18				480 x 320 x 16				
Module Weight	2.2 lbs (1 kg)				5.5 lbs (2.5 kg)				
Module Qty/Cabinet (W*H)	2 x 4				2 x 3				
Cabinet resolution	256 x 512	192 x 384	168 x 336	128 x 256	216 x 216	168 x 168	144 x 144	120 x 120	96 x 96
Cabinet Size (inches) (W x H)	19.68 x 39.37 x 3.3				37.79 x 37.79 x 3.4				
Cabinet Size (mm) (W x H)	500 x 1000 x 84				960 x 960 x 87				
Cabinet Area	1.64 ft (0.5 m)				3.02 ft (0.9216 m)				
Cabinet Weight (lbs)	35.28 lbs				Die casting aluminum cabinet: 55.1 lbs Aluminum profile cabinet: 54.0 lbs				
Cabinet Weight (kg)	16 kg				Die casting aluminum cabinet: 25 kg Aluminum profile cabinet: 24.5kg				
Cabinet Material	Aluminium Profiles				Die-cast Aluminium/Aluminum profile				
Cabinet Density (dot/m²)	262144	147456	112896	65536	50635	30625	22500	15625	10000
IP Rating	IP66								
White Balance Brightness(nits)	5000				5000-12000				
Gray Scale (bit)	16								
Color Temp (K)	6500-9000								
Viewing Angle (H/V)	140°/120°								
Luminous Point Center Deviation	<3%								
Luminance Uniformity	≥97%								
Chromaticity Uniformity	Within ±0.003 Cx, Cy								
Contrast Ratio	≥10000:1								
Max. Power Consumption (W/m²)	500			650	≤550				
Avg. Power Consumption (W/m²)	168			218	≤186				
Input Voltage	AC100~240								
Frequency (Hz)	50 & 60								
Refresh Rate (Hz)	3840-7680								
Maintenance Mode	Front and Rear								
Lifetime (H)	100,000								
Work Temperature/Humidity	-40~176 °F (-40~80 °C) / 10%RH-98%RH (Non Condensing)								
Storage Temperature/Humidity	-4~140 °F (-20~-60°C) / 10%RH-98%RH (Non Condensing)								