

DV SERIES SMD PLASTIC

ACTIVE

LED SOLUTION

1.8mm 2.5mm
Pixel Pitch



SMD Technology

SMD (Surface-Mounted Device) technology is the dominant method for active LED displays, packaging Red, Green, and Blue LED chips together onto a single surface-mount component, allowing for high pixel density, superior resolution, wider viewing angles, better color accuracy, and smaller module sizes compared to older DIP (Dual In-line Package) LEDs. This technique places LEDs directly onto a Printed Circuit Board (PCB), enabling compact, efficient, and cost-effective manufacturing for applications from indoor signage to large video walls.

✓ High-Resolution SMD LED Technology

Superior image quality with sharp details and vibrant colors

✓ Ultra-Slim & Seamless Panel Structure

Ensures flat display surface with minimal gap for perfect visual continuity.

✓ High Refresh Rate

Flicker-free display, ideal for video, presentations, and live broadcasting.

✓ Front & Rear Serviceability

Easy installation and maintenance, suitable for wall-mounted applications.

✓ Excellent Color Uniformity & Grayscale Performance

Flicker-free display, ideal for video, presentations, and live broadcasting.

✓ High Brightness & Wide Viewing Angle

Clear visibility even in bright environments with consistent color from all angles.

✓ Energy-Efficient & Reliable Operation

Optimized power consumption with stable long-hour performance.

✓ Precision Cabinet Flatness & Alignment

Ensures perfect module alignment for premium display quality.

DV SERIES **SMD** Plastic

Model NO	DVSP - 1.8P	DVSP - 2.5P
Pixel Pitch	1.86mm	2.5mm
LED Type	SMD1515	SMD2121
Module Resolution (W×H)	172×86=14792 Pixels	128X64=8192 Pixels
Pixel density (pixels/sq.m.)	288906 dot/m ²	160000 dot/m ²
Module Size (WxH)	320mmx160mm (WxH)	320mmx160mm (WxH)
Cabinet		
Cabinet Size (WxHxD)	320x480x52.6 (mm) (With Module, Kit,Back Cover)	320x480x52.6 (mm) (With Module, Kit,Back Cover)
Cabinet Weight (kg/panel)	2.2±0.1kg	2.2±0.1kg
Maintenance	Full front maintenance	Full front maintenance
Ingress Protection	IP30	IP30
Planeness	≤0.5mm	≤0.5mm
Cabinet Material	Plastic	Plastic
Optical		
Single-dot Brightness Calibration	Support	Support
Brightness	600 cd/m ²	600 cd/m ²
Color Temperature	2000K~9300K Adjustable	2000K~9300K Adjustable
Beam Angle (Hor/Ver°)	140°/140°	140°/140°
Brightness/Color Uniformity	≥98%	≥98%
Contrast Ratio	5000:01:00	5000:01:00
Electric		
Input Power <Max>	371 W/m ²	312 W/m ²
Input Power <Typical>	124 W/m ²	104 W/m ²
Power Supply Input Voltage	AC90~132V/ AC186~264V, Frequency 47-63 (Hz)	AC90~132V/ AC186~264V, Frequency 47-63 (Hz)
Performance		
Frame Changing Frequency	60Hz	60Hz
Refresh Rate	≥4200Hz	≥4200Hz
Processing Depth	12-14Bit	12-14Bit
Video Support	2K, 4K	2K, 4K
Environment		
Life Span (hrs)	100000hrs	100000hrs
Working Temp/Humidity (°C/RH)	-20°C-45° / 10%-50%RH (No Condensation)	-20°C-45°C / 10%-50%RH (No Condensation)
Storage Temp/Humidity (°C/RH)	-20°C-50°C / 10%-60%RH (No Condensation)	-20°C-50°C / 10%-60%RH (No Condensation)

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