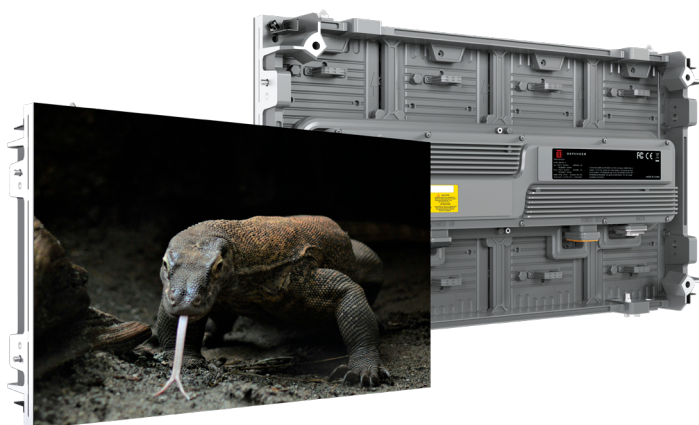


# Defender

Outdoor COB



Experience the next level of outdoor display technology with our Flip-Chip COB solutions. Designed for traditional street totems, public information displays, and outdoor media terminals, our innovative approach with common cathode technology significantly reduces heat generation, extending the lifespan of LEDs and lowering power consumption. This advancement not only enhances performance but also aligns with our dedication to energy efficiency and sustainable practices.



reddot design award



## Specification

	DEF012	DEF015	DEF019
Pixel pitch (mm)	1.26	1.58	1.9
LED type	Flip Chip COB		
Cabinet Resolution (WxH)	480x270	384x216	320x180
Cabinet size (mm)	608 x 342 x 76 (27.5")		
Aspect ratio	16:9 / 9:16		
Net.weight/cabinet	8.5 kg		
Cabinet material	Die-casting aluminium		
Maintenance	Front / Rear		
IP Rating	Front IP65 / Rear IP65		
Driving method	1/27 and 1/30	1/22 and 1/24	1/15 and 1/16
Brightness (cd/m2)	3,000		
Contrast ratio	100,000:1		
Refresh rate	≤ 3,840 Hz		
Color processing	16 bits		
Viewing angle (H/W)	170° / 170°		
Color temperature (K)	3,000-9,500		
Dimming level	256		
Max./Avg. power consumption (per m2)	750 W / 225 W		
Power supply	AC100-240V, 50/60 Hz		
Operating temperature	-30°C to 50°C		
Operating humidity	10 to 90 %		
Led lifetime	100,000 hrs		
Certificates	CE; ETL; FCC Class A; Rohs		

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