


Black Pearl Series Specifications

ROE
CREATIVE DISPLAY

Black Pearl	BP2	BP3	BP5	BP3 90° Corner	BP3 Round Corner
Pixel Pitch	2.84mm	3.91mm	5.21mm	3.91mm	3.91mm
Pixel / Tile	176×176	128×128	96×96	128×128	12,766(1/4 Round)
Pixel Density	123,904/sqm	65,536/sqm	36,864/sqm	65,536/sqm	65,536/sqm
LED Configuration	Black SMD 3-in-1	Black SMD 3-in-1	Black SMD 3-in-1	Black SMD 3-in-1	Black SMD 3-in-1
Viewing Angle(H/V)	140°/140°	140°/140°	140°/140°	140°/140°	140°/140°
Max. Brightness	1,500 nits (NationStar 1515)	1,500 nits (NationStar 2020)	1,500 nits (NationStar 2020)	1,500 nits (NationStar 2020)	1,500 nits (NationStar 2020)
Transparency	Solid	Solid	Solid	Solid	Solid
Refresh Rate	1,920Hz	3,000Hz	3,840Hz	3,000Hz	3,000Hz
Contrast Ratio	6000:1	5000:1	5000:1	5000:1	5000:1
Gray Scale	16bit	16bit	16bit	16bit	16bit
Scan	1/11	1/16	1/6	1/16	1/16
Tile Dimension(W×H×D)	500×500×90mm 19.7"×19.7"×3.5"	500×500×90mm 19.7"×19.7"×3.5"	500×500×90mm 19.7"×19.7"×3.5"	500×500×90mm 19.7"×19.7"×3.5"	500×500×90mm 19.7"×19.7"×3.5"
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Aluminum Alloy +Plastic Module Case	Aluminum Alloy
Serviceability	Front/Rear	Rear	Rear	Rear	-
Curve(optional)	Max. Concave 10° Max. Convex 10°	Max. Concave 10° Max. Convex 10°	Max. Concave 10° Max. Convex 10°	Max. Concave 10° Max. Convex 10° 90°	Max. Concave 10° Max. Convex 10°
Tile Weight/Tile	9.4kg	8.7kg	8.7kg	9.5kg	8.7kg
Max. Hanging(*)	20 tiles	20 tiles	20 tiles	20 tiles	20 tiles
Max. Stacking	12 tiles	12 tiles	12 tiles	12 tiles	12 tiles
Max Power/Tile	170W	160W	160W	160W	140W
Processor	Nova	Evision	Evision	Evision	Evision
IP Rating(Front/Rear)	Indoor only	Indoor only	Indoor only	Indoor only	Indoor only
Lifetime	≥50,000h	≥50,000h	≥50,000h	≥50,000h	≥50,000h
Operating Temp /Humidity	-20°C to 45°C, 10~90%RH	-20°C to 45°C, 10~90%RH	-20°C to 45°C, 10~90%RH	-20°C to 45°C, 10~90%RH	-20°C to 45°C, 10~90%RH
Storage Temp /Humidity	-40°C to 60°C, 10~90%RH	-40°C to 60°C, 10~90%RH	-40°C to 60°C, 10~90%RH	-40°C to 60°C, 10~90%RH	-40°C to 60°C, 10~90%RH
Certifications					

* Notes: The max. hanging supports up to 20 tiles when the safety factor is 5. The convex capability only applies to custom tile, not the standard one.