



Polaris V10 Series

Assemble Your Task Force



HDR10*



Excellent performance



Auto-lock system



Creative connection

◀ Indoor brilliant display effects

- 1.9, 2.5, 2.9, 3.9mm pixel pitch
- Up to 1500nits brightness
- Up to 16bit grayscale
- 3840/ 7680Hz refresh rate
- Innovative IMD technology (applied to PL1.9 Pro V10)
- UltraBlack technology (applied to PL2.5 Pro V10)



500X1000mm
(19.69x39.37")



500X500mm
(19.69x19.69")

◀ Outdoor stunning performance

- 3.9, 4.8mm pixel pitch
- $\geq 7000:1$ contrast ratio
- Absen HBB common cathode technology
- 4500nits brightness
- 3840 refresh rate
- Excellent color uniformity

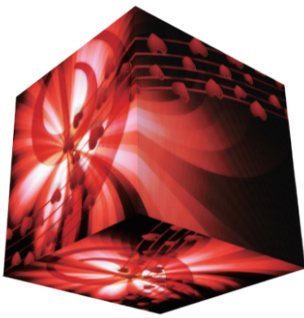
◀ Installation and maintenance

- Magnetic automatic connection design, making the installation safer
- Auto-lock system for fast and easy one man installation
- Auto-eject system enables convenient disconnection of panels
- Modular design enables front and rear maintenance of modules and power box



◀ Curved connection and creative cube

- Supports curve connection from -7.5° convex to +10° concave (2.5° per unit)
- The edge-cutting versions of PL2.5 Pro V10 and PL2.9 V10 were developed to build cube-shaped displays for indoor stages (NovaStar system)



Integrated curve locking system for high-precision alignment

◀ Product specification

Parameters	PL1.9 Pro V10		PL2.5 Pro V10			PL2.9 V10	PL3.9 V10	PL3.9 Pro V10	PL4.8 Pro V10	PL2.5 Pro V10-Cube	PL2.9 V10-Cube	PL2.9 Pro V2
Control system	Brompton	NovaStar	Brompton	Brompton	NovaStar	NovaStar						
LED type	IMD		Black SMD1515			Black SMD2121		Black SMD1921		Black SMD1515	Black SMD2121	Black SMD1515
Pixel pitch (mm)	1.953	1.953	2.5	2.5	2.5	2.97	3.9	3.9	4.8	2.5	2.97	2.97
Panel dimensions (WxHxD, mm)	500x500x88 (19.69x19.69x3.46")					500x500x88 (19.69x19.69x3.46") 500x1000x88 (19.69x39.37x3.46")				500x500x88 (19.69x19.69x3.46")		500x500x78 (19.69x19.69x3.07") 500x1000x78 (19.69x39.37x3.07")
Panel resolution	256x256		200x200			168x168 168x336	128x128 128x256	128x128 128x256	104x104 104x208	200x200	168x168	168x168 168x336
Panel weight (kg)	9 (19.84lbs)		8.8 (19.40lbs)	8.6 (18.96lbs)		8 (17.64lbs) 12.6 (27.78lbs)	7.7 (16.98lbs) 12.6 (27.78lbs)	8.4 (18.52lbs) 13.7 (30.20lbs)	8.1 (17.86) 13.7 (30.20lbs)	8.3 (18.30lbs)	7.7 (16.98lbs)	8 (17.64lbs) 12.5 (27.56lbs)
Panel material	Die casting aluminum											
Module size (WxH, mm)	250x250											
Brightness (nit)	1200	1200	1500	1500	1500	1000	1000	4500	4500	1500	1000	3000
Refresh rate (Hz)	3840	3840	7680	3840	3840	3840	3840	3840	3840	3840	3840	3840
Grayscale (bit)	16	16	16	16	16	14	14	14	14	16	14	15
Contrast ratio	5500:1	5500:1	8800:1	8800:1	8800:1	5500:1	7400:1	7500:1	7000:1	8800:1	5500:1	5000:1
Color temperature (K)	6500											
Viewing angle (H/V, °)	140/140	140/140	160/140	160/140	160/140	140/140	140/140	140/100	140/80	160/140	140/140	160/160
Drive mode	1/16	1/16	1/8	1/20	1/20	1/28	1/16	1/8	1/7	1/20	1/28	1/14
AC operating voltage(V)	100~240											
Power consumption (max/avg, W/m²)	720/240	720/240	680/230	680/230	680/230	540/180	540/180	680/230	720/240	720/260	540/180	610/204
IP rating	IP40/IP21						IP65/IP54			IP40/IP21		IP65/IP54
Certification	FCC, ETL, CE, RoHS											

Note: PL2.9 Pro V2 is a product developed based on the Polaris V2 platform, which can share the hanging bars and stacking systems with the PL V10 version.



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