



red dot winner 2023

# PIXEL REALITY SERIES

High-end professional virtual production display



## ◀ An All-in-one Platform for Virtual Production



500X1000mm  
(19.69x39.37")



500X500mm  
(19.69x19.69")

## ◀ PR1.9 | PR2.5

Recommended for building backdrops



1500nits  
Brightness

16bit  
Grayscale

Up to 10000:1  
Contrast ratio

## ◀ PR3.9\* | PR5.2

Recommended for building ceilings



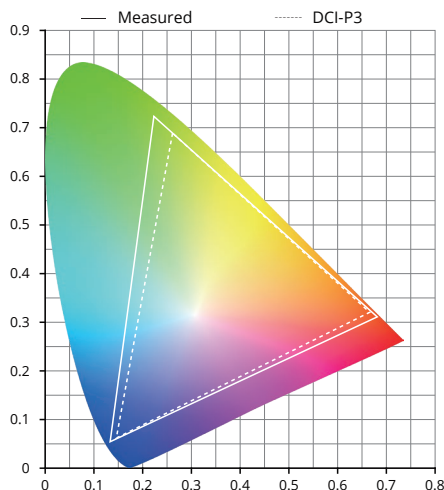
12000nits  
Brightness

16bit  
Grayscale

10000:1  
Contrast ratio

## ◀ Amazing In-camera Performance

Able to reproduce all the desired colors of content for cinema use. All the necessary virtual production features such as frame multiplication, frame remapping, and high frame rate content are supported.



• **99.9%**  
Average DCI-P3 color gamut coverage

• **≤ 251Hz**  
Frame rate

• **Super black level**

• **CRI: Ra ≥90**  
PR3.9 RGBW version

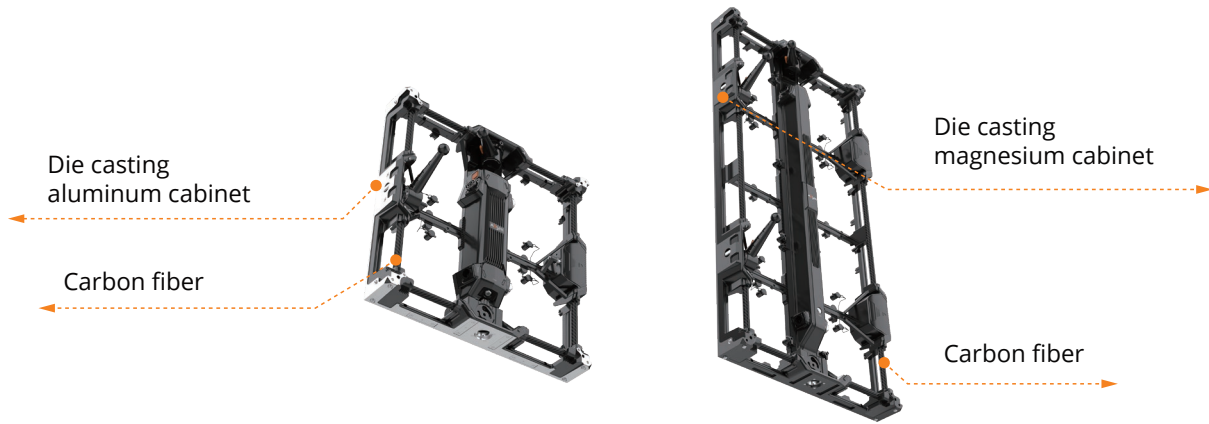
• **7680Hz**  
High refresh rate

Channel	Red	Green	Blue	Average
DCI-P3 Coverage	99.7%	100%	100%	99.9%

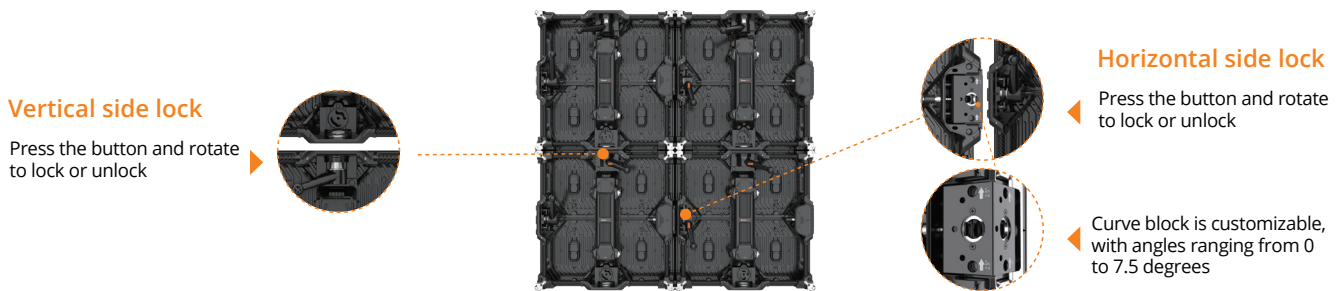
\*Refers to the test result of the PR2.5 single panel. Tested by Brompton Hydra Calibration system.

## ◀ Industry-first Composite Structure Design

Makes the structure stronger and more durable. All carbon fiber tubes can be used as handles.



## ◀ A True One-step Locking System



## ◀ Product Specification

Parameters	PR1.9	PR2.5	PR3.9	PR5.2	PR3.9 (RGBW)
Control system	Brompton				
LED type	Black SMD1212	Black SMD1515	SMD1921	SMD1921	RGBW
Pixel pitch (mm)	1.9	2.5	3.9	5.2	3.9
Panel dimensions (WxHxD, mm)	500x500x93 (19.69x19.69x3.66")	500x500x93 (19.69x19.69x3.66") 500x1000x93 (19.69x39.37x3.66")			500x1000x95 (19.69x39.37x3.74")
Panel resolution	256x256	200x200 / 200x400	128x128 / 128x256	96x96 / 96x192	128x256
Panel weight (kg)	9.5 (20.94lbs)	9.0 (19.84lbs) / 12.8 (28.22lbs)			14 (30.86lbs)
Panel material	Carbon fiber + Die casting aluminum	500x500mm panel: Carbon fiber + Die casting aluminum 500x1000mm panel: Carbon fiber + Die casting magnesium			Carbon fiber + Die casting magnesium
Module size (WxH, mm)	250x250 (9.84x9.84")				
Brightness (nit)	1500	1500	6000	6000	12000
Refresh rate (Hz)	7680	7680	7680	7680	7680
Grayscale (bit)	16	16	16	16	16
Contrast ratio	8000:1	10000:1	10000:1	10000:1	4000:1
Color temperature (K)	6500				
Viewing angle (H/V, °)	160/160	160/160	160/160	160/160	160/160
Drive mode	1/8	1/8	1/8	1/4	1/8
Average DCI-P3 color gamut coverage	98%	99.9%	95.1%	95.1%	/
Maximum frame rate supported (Hz)	240	251 (500x500mm panel) 156 (500x1000mm panel)	251	251	251
AC operating voltage(V)	100~240				
Power consumption (max./avg., W/m <sup>2</sup> )	570/190	600/200	600/200	580/194	672/222
IP rating	IP40/IP21	IP40/IP21	IP65/IP54	IP65/IP54	IP65/IP54
Certification	FCC, ETL, CE, RoHS				FCC, ETL, CE, UKCA, RoHS



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