pixelplus™

TrueTour Core

Rental LED with black SMD LEDs, in 2.6, 2.9 and 3.9 mm



The Pixel Plus TrueTour Core is a rental LED panel with black SMD2121 LEDs in a light 500 × 500 mm die-cast cabinet. It is built for everyday rental work at a sensible cost per square metre: conferences, concerts, exhibitions and stage backdrops seen from a few metres back.

A patented quick-lock with ArcLock curved locking builds flat or curved walls quickly and accurately, an integrated power box makes repairs and replacement easy, and full front and rear service keeps maintenance simple.

KEY COMPETITIVE ADVANTAGES

- **Three pitches, one cabinet:** 2.6, 2.9 and 3.9 mm, all in the same 500 × 500 mm cabinet, so one rental stock covers closer and further viewing.
- **Black SMD LEDs:** black-body SMD2121 packages for a 10,000:1 contrast ratio and 800–1,000 nits indoors.
- **Steady on camera:** 3,840 Hz refresh and 14-bit grey scale.
- **Light, flat cabinet:** 7.8 kg per 500 × 500 × 80 mm cabinet, for fast handling and accurate alignment.
- **Easy maintenance:** full front and rear service, and an integrated power box that is quick and cheap to swap.
- **NovaStar control:** compatible with NovaStar processors and fibre distribution.

FLAT OR CURVED & FAST TO BUILD

A patented quick-lock aligns cabinets quickly and accurately, and ArcLock allows curved walls. The pin shows the state: raised is locked, flush is unlocked.

- Front and rear maintenance access
- Ground-stack, wall-mount or flown builds
- Flat or curved walls with ArcLock
- CE (LVD, EMC), FCC, ETL and CB certified

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TrueTour Core
500 × 500 mm cabinet

Locked:



ArcLock quick-lock
Raised pin = locked

TECHNICAL SPECIFICATIONS

By pitch

Model	Core 2.6	Core 2.9	Core 3.9
Pixel pitch	2.6 mm	2.9 mm	3.9 mm
Pixel density	147,456 dots/m²	112,896 dots/m²	65,536 dots/m²
Module resolution	96 × 96	84 × 84	64 × 64
Cabinet pixels across × down	192 × 192 px	168 × 168 px	128 × 128 px
Maximum power consumption	440 W/m²	440 W/m²	450 W/m²
Average power consumption	135 W/m²	135 W/m²	135 W/m²
Cabinet maximum / average power	110 W / 34 W	110 W / 34 W	113 W / 34 W

Display

LED type	Black SMD2121
Brightness	800–1,000 nits
Contrast ratio	10,000:1
Grey scale	14 bit
Refresh rate	3,840 Hz
Horizontal / vertical viewing angle	160° / 140°
Drive mode	Constant Current

Electrical

Input voltage	AC 110–220 V
Processing	NovaStar

Physical

Module size	250 × 250 mm
Module weight	0.65 kg
Module thickness	22 mm
Cabinet width × height	500 × 500 mm
Cabinet thickness	80 mm
Weight	7.8 kg
Curving	ArcLock curved locking
Maintenance type	Front / Rear

General

Working temperature	-20 ~ +50 °C
Working humidity	10%–90% RH
Ingress protection	IP30
Working environment	Indoor
Certification	CE (LVD, EMC), FCC, ETL, CB

Typical values. Specifications are subject to change without notice. Data sheet rev 1.0, November 2026.

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