

Nitra Series

Nitra-07 • Nitra-09 • Nitra-12 • Nitra-15

Fine pixel pitch COB LED video walls, engineered for premium image quality and long-term reliability at a mainstream price.

The MTC Nitra Series brings premium visual performance to budget-conscious indoor projects, pairing durable COB construction with straightforward, affordable ownership. It's a practical entry point into fine pixel pitch LED for high-traffic, ambient-lit spaces that need a display to perform under demanding, everyday conditions — at exceptional value.



Key Features

- 0.7, 0.9, 1.2 and 1.5 mm pixel pitches
- 30,000:1 contrast ratio for deeper blacks and sharper visuals
- Energy-efficient design with low typical power draw
- Serviceable from the front of the cabinet
- COB LED technology for enhanced reliability and image quality
- Compatible with multiple controllers
- Individually matched COB LEDs for visual uniformity
- Backed by a 3-year standard limited warranty

Why Nitra

More Display for the Budget

Vivid image quality, durable COB construction and energy efficiency, all at an accessible cost.

Lower Cost to Run

Reduced power draw and better heat dissipation keep operating costs down for years.

Works With Your Setup

Runs on Colorlight processors or the control platform you already use — no lock-in.

Engineered to Last

Fewer failure points, water resistance and lasting reliability — built tough with COB construction.

Colour That Stays Consistent

Each COB LED is quality-tested for consistent colour and brightness, for smooth, uniform visuals.

Protected From Day One

3-year standard limited warranty included on every display, for added peace of mind.

Specifications

Cabinet model	Nitra-07	Nitra-09	Nitra-12	Nitra-15
Pixel pitch (mm)	0.78	0.93	1.25	1.56
Cabinet dimensions (mm)	600 × 337.5 × 40.4			
Cabinet weight (kg)	4.4			
Cabinet resolution (px)	768 × 432	640 × 360	480 × 270	384 × 216
Modules per cabinet	4 × 2	4 × 2	4 × 2	2 × 2
Module dimensions (mm)	150 × 168.75	150 × 168.75	150 × 168.75	300 × 168.75
Module resolution (px)	192 × 216	160 × 180	120 × 135	192 × 108
Max. brightness (nits)	1,500	1,500	1,000	700
Contrast ratio	30,000:1			
Colour temperature (K)	3,000 – 10,000, adjustable			
Viewing angle (H / V)	170° / 150°			
Refresh rate (Hz)	3,840			
Peak power (W/m²)	593			
Typical power (W/m²)	127			
Power input (V AC)	100 – 240			
Power supply	Single			
Operating temperature (°C)	–10 to 40			
Operating humidity	10% to 80%			
Storage temperature (°C)	–20 to 60			
Storage humidity	10% to 85%			
Typical lifetime (hours)	100,000			
Service access	Front			
Warranty	Standard 3-year limited warranty			

Tailor Your Video Wall

Every cabinet is 600 × 337.5 mm — pick a pitch and grid size to land exactly on Full HD (1,920×1,080) or 4K (3,840×2,160) with pixel-perfect signal mapping.

Model	3×3	4×4	5×5	6×6	8×8	10×10
Nitra-07			4K			
Nitra-09	Full HD			4K		
Nitra-12		Full HD			4K	
Nitra-15			Full HD			4K

Specifications subject to change without notice.