P1.25 | INDOOR LED DISPLAY

- Ultra-Fine Pixel Pitch – 1.25 mm spacing for sharp, detailed indoor visuals.
- Wide Viewing Angle – Clear and consistent colors from all directions.
- Superior Color Performance – 3-in-1 RGB LEDs for vibrant, realistic images.
- Compact & Lightweight – Easy to install in tight spaces.

LED Display Parameters

P1.25 Indoor Full Color Display SMD1010(1R1G1B)

Item	Parameter
Model Number	P1.25
Module Size	320 × 160 mm
Pixel Pitch	1.25 mm
Pixel Density	640,000 pixels/m²
Pixel Configuration	1R1G1B
LED Package	SMD1010
Module Resolution	256 (W) × 128 (H) dots
Optimal Viewing Distance	1 m – 10 m
Panel Current	4.5 A
Maximum Power Consumption	22 W
Module Thickness	15 mm
Module Weight	0.4 kg
Drive Type	Constant Current
Scan Mode	1/64 Scan
Port Type	HUB75E
Brightness (White Balance)	≥ 600-1200 cd/m²
Refresh Frequency	≥ 3840 Hz
Ingress Protection (Front/Rear)	IP30 / IP20
Maintenance Type	Front Service
Life Span	≥ 100,000 hours

2. Product Characteristics

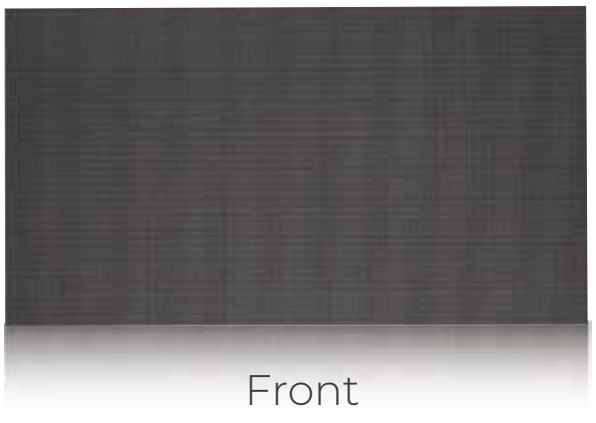
- Ultra-Fine Pixel Pitch – 1.25 mm spacing delivers ultra-high resolution for sharp and detailed indoor visuals.
- Wide Viewing Angle – Consistent brightness and accurate colors from all directions.
- Superior Color Performance – 3-in-1 RGB LEDs ensure excellent color mixing, vibrant display, and realistic imagery.
- Compact & Lightweight – Slim design and low weight enable easy installation in space-constrained environments.
- Advanced SMD Technology – Provides uniform brightness, wide viewing angles, and consistent image quality.
- Easy Installation & Maintenance – Modular structure allows fast setup and servicing, reducing labor costs.

Component Highlights

- LEDs – Premium SMD1010 black-matte LEDs, offering high reliability and long service life.
- Driving IC – High-refresh, high-grayscale constant current IC from leading global manufacturers, ensuring stable and reliable performance.
- PCB Board – Multi-layer design ensures even current distribution, excellent heat dissipation, and strong resistance to electromagnetic interference.
- Drive & Control – Dedicated 16-bit grayscale, high-refresh IC with shadow-elimination circuit for LED protection and surge prevention.

Cabinet Image Display

Back



Front

- **5.Installation mode(LED installation structure diagram)**

Wall-Mounted Installation

- The most common type.
- The LED screen is fixed directly onto the wall using a metal frame.
- Ideal for conference rooms, auditoriums, showrooms, malls, and lobbies.
- Clean look, saves space.

Hanging / Suspended Installation

- The LED screen is hung from the ceiling using steel cables or brackets.
- Used where wall mounting isn't possible.
- Perfect for events, exhibitions, airports, or shopping malls.

Floor-Standing / Free-Standing Installation

- The LED display is mounted on a movable or fixed stand.
- Portable and flexible — can be repositioned anytime.
- Common in retail stores, events, and stage setups.

Curved or Creative Installation

- LED modules are shaped into curves or creative 3D designs.
- Adds visual appeal.
- Used for brand activations, experience centers, and premium interiors.

Cube / Column / Pillar LED Display

- Installed around pillars or columns to utilize vertical space.
- Used in malls, stadiums, and exhibition halls.

6. Important Notes

Operating Environment

- Indoor use only.
- Avoid exposure to extreme temperatures, humidity, or corrosive environments (acidic/alkaline/saline).
- Keep away from flammable materials, gases, and dust.
- Operating temperature: -20°C to +50°C (optimal: -10°C to +40°C).
- Storage temperature: -30°C to +60°C.
- Protect modules from impacts and sharp objects during transport.

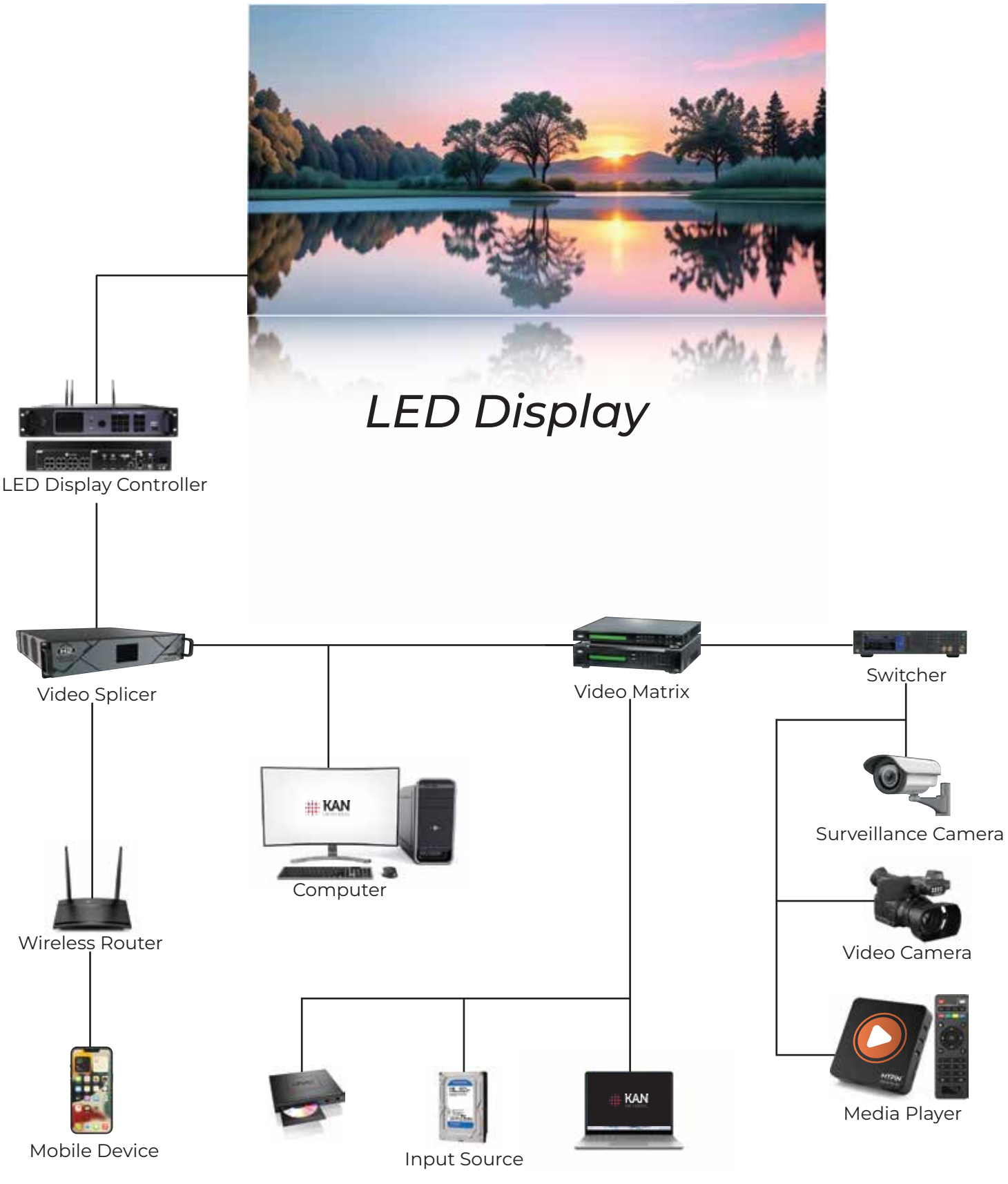
Control & Usage Guidelines

- Do not reverse-connect power terminals.
- Repairs during warranty must be performed by the manufacturer or authorized service.
- Handle carefully during assembly/disassembly to prevent damage.
- Ensure grounding, lightning protection, and anti-static measures.
- Allow at least 1 minute between powering on and off.
- Operate at least once every 2 weeks (monthly in dry conditions, weekly in humid conditions), powered on for 4+ hours.
- Do not display a full-white screen at maximum brightness for more than 30 minutes; dynamic content is recommended.

Cleaning

- Clean the LED surface with a soft-bristle brush only.
- Do not use liquids or solvents to clean the module, as they may cause damage.

7. Wiring Diagram



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