

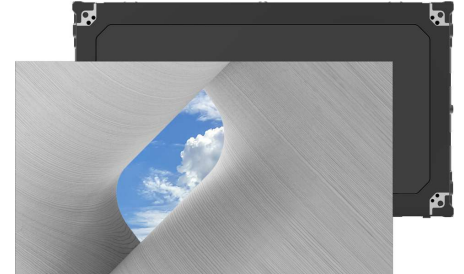


ALL-IN-ONE LED DISPLAY

**LDC027G-121**

## Key Features

- **Customisable screen shapes and sizes** with **All-in-One design** for hassle-free installation
- Compact **1U rack-mount control box** and **discreet power box** simplify integration and reduce cabling
- Reliable performance in any space, enabled by **GOB surface treatment** and an **IP54-rated, IK06-certified surface** that protects against dust, moisture, and impact
- Energy-efficient design with **advanced driving ICs** and **integrated system architecture** lowers power consumption and supports sustainable operation
- Centralised and efficient system management via **LAN control**



## Product Description

The ViewSonic LDC series is an innovative, customisable all-in-one fine-pitch LED display that offers flexible layouts and effortless installation—all in a single solution. Combine the LDC027G-121 LED cabinets to create LED video walls in diverse shapes and sizes, delivering compelling digital signage that brings your concepts to life. Its all-in-one design ensures a hassle-free installation process and intuitive operation. Protected by Glue-on-Board (GOB) surface treatment, the LED modules are sealed with transparent epoxy resin to enhance durability and protect internal components. The IP54-rated, IK06-certified surface protects against dust, moisture, and impact — making it ideal for public spaces such as lobbies, shopping malls, and transportation hubs. An energy-efficient system architecture combined with advanced driving ICs lowers power consumption by up to 40% compared to traditional solutions, reducing heat generation and extending product lifespan. With its slim 34.4mm thickness, total installation depth under 10 cm, and 99% screen-to-body ratio, the display delivers a sleek, modern aesthetic that blends seamlessly into any environment. Its compact 1U rack-mount control box, designed to fit standard server cabinets, simplifies integration with AV systems, while a discreet power box installed behind the display reduces cabling for a cleaner installation. The display is also compatible with multiple Novastar control systems, allowing flexible integration with existing AV infrastructures. Centralised management through LAN connectivity streamlines operation and control.

1. Indicator Light
2. Power Button
3. AC In x2
4. AC Out x4
5. RS232
6. LAN Control In & Out
7. Display Panel
8. Control Knob
9. Back Button
10. Layer Control Buttons

11. Input Source Buttons
12. Function Buttons
13. USB-A (Front Panel)
14. USB Control
15. Ethernet Port x2 (Control)
16. Light Sensor
17. Genlock In & Loop
18. 3G-SDI In & Loop
19. USB-A (Rear Panel)
20. RS232 (3-Pin)

21. Ethernet Port x6 (Output)
22. Audio In & Out
23. 3D Out
24. HDMI 2.0 In & Loop
25. HDMI 1.3 In x2
26. Optical Port x2
27. Monitor Out (HDMI 1.3)
28. Power Button
29. AC In

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**SPECIFICATION**

Screen Size:	27"
Panel Technology:	Direct view LED
LED Package Type:	SMD 3 in 1 (GOB)
Bonding Wire:	Copper
Pixel Pitch (mm):	1.25
Brightness (max.):	600 nits (100 levels adjustable)
Contrast Ratio (typ.):	6500:1
Color Temperature:	3000K -10000K
Orientation:	Landscape
Viewing Angles (typ.):	H = 170, V = 170
LED Lifetime (typ.):	100,000 Hours
Resolution Support:	VGA(640 x 480) to 4K(3840 x 2160@60hz)
HDTV Compatibility:	480p, 576p, 720p, 1080p, 2160p
Horizontal Frequency:	31K-94kHz
Vertical Scan Rate:	56-85Hz

**INPUT**

HDMI:	3 (HDMI 2.0/HDCP 2.2 x1, HDMI 1.3/HDCP 1.4 x2)
USB Type A:	2 (USB3.0 x1, USB2.0 x1)
RJ45 Input:	2 (control)
Audio-in (3.5mm):	1

**OUTPUT**

HDMI out:	1 (HDMI 1.3/HDCP 1.4)
Audio out (3.5mm):	1
USB Type A (Power):	Shared with USB A input (USB 3.0 5V/0.9A x1, USB 2.0 5V/0.5A x1)

**CONTROL**

RJ45 (LAN control):	2
USB Type A (Services):	1(shared with USB A input)
USB Type B:	1(Debug)
RS232 (DB 9-pin female):	1(3 pin)

**OTHERS**

Power Supply Voltage:	100-240V ~ 50/60Hz (vary by country)
Power Consumption (W/unit):	22W per cabinet (typ), 67W per cabinet (max), < 0.5W (Hibernate)
Power Consumption (W/m <sup>2</sup> ):	109W/m <sup>2</sup> (typ), 331W/m <sup>2</sup> (max)
Operating Temperature:	0~40°C
Total LED Module Quantity:	4 per cabinet
Ingress Protection Rating:	IP54(Front)
Impact Protection Rating:	IK06(Front)
Net Weight:	8.16 lbs (3.7kg) per cabinet

**STANDARD ACCESSORIES**

Control Box:	LD-SCB-025
Power Cord:	By Configuration
Installation Guide:	1
Wall Mount:	1
Spare Parts:	LED module 7% 3 in 1 hub board x1
Maintenance Tool:	RSPL

**OPTIONAL ACCESSORIES**

Control Box:	LD-SCB-024 LD-SCB-026
Maintenance Tool:	RSPL