

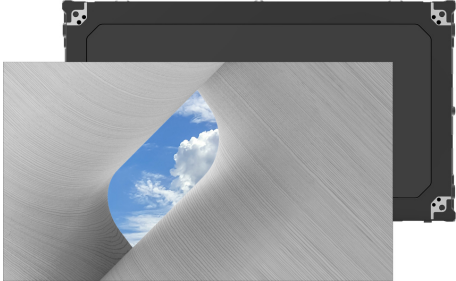
ViewSonic®

ALL-IN-ONE LED DISPLAY

LDC027G-091C

Key Features

- **Mini LED with ultra-fine 0.9mm pixel pitch and 10,000:1 contrast ratio** delivers exceptional visual clarity
- **Customisable screen shapes and sizes** with **All-in-One design** for hassle-free installation
- Reliable performance in any space, enabled by **COB technology** and an **IP54-rated, IK06-certified surface** that protects against dust, moisture, and impact
- Compact **1U rack-mount control box** and **discreet power box** simplify integration and reduce cabling
- Energy-efficient design with **common cathode LEDs** and **smart ICs** reduces power consumption and supports sustainable operation



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-091C 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. Powered by Chip-on-Board (COB) technology, the bonding-wire-free LED structure enhances durability and long-term reliability. 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. The energy-efficient common cathode design lowers power consumption by up to 25% 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:	Flip Chip COB
Pixel Pitch (mm):	0.94
Brightness (max.):	600 nits (100 levels adjustable)
Contrast Ratio (typ.):	10000:1
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):	19W per cabinet (typ), 57W per cabinet (max), < 0.5W (Hibernate)
Power Consumption (W/m²):	94W/m² (typ), 282W/m² (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