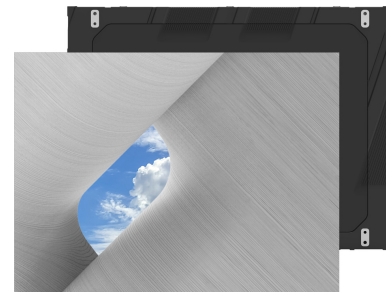**ViewSonic®**

DIRECT VIEW LED
LDC031G-181

Key **Features**

- **Customizable 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
- Centralized and efficient system management via **LAN control**

Product **Description**

The ViewSonic LDC series is an innovative, customizable all-in-one fine-pitch LED display that offers flexible layouts and effortless installation—all in a single solution. Combine the LDC031G-181 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 42mm 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. Centralized management through LAN connectivity streamlines operation and control.

1. Indicator Light	11. Input Source Buttons	21. Ethernet Port x6 (Output)
2. Power Button	12. Function Buttons	22. Audio In & Out
3. AC In x2	13. USB-A (Front Panel)	23. 3D Out
4. AC Out x4	14. USB Control	24. HDMI 2.0 In & Loop
5. RS232	15. Ethernet Port x2 (Control)	25. HDMI 1.3 In x2
6. LAN Control In & Out	16. Light Sensor	26. Optical Port x2
7. Display Panel	17. Genlock In & Loop	27. Monitor Out (HDMI 1.3)
8. Control Knob	18. 3G-SDI In & Loop	28. Power Button
9. Back Button	19. USB-A (Rear Panel)	29. AC In
10. Layer Control Buttons	20. RS232 (3-Pin)	

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SPECIFICATION

Screen Size:	31.5"
Panel Technology:	Direct view LED
LED Package Type:	SMD 3 in 1 (GOB)
Bonding Wire:	Copper
Pixel Pitch (mm):	1.86
Brightness (max.):	600 nits (100 levels adjustable)
Contrast Ratio (typ.):	6500:1
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 (Debug):	1
RS232 (DB 9-pin female):	1(3 pin)

OTHERS

Power Supply Voltage:	100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country)
Power Consumption:	28W per cabinet (typ), 85W per cabinet (max), < 0.5W (Hibernate)
Operating Temperature:	0~40℃
Total LED Module Quantity:	6 per cabinet
Ingress Protection Rating:	IP54(Front)
Impact Protection Rating:	IK06(Front)
Net Weight:	13.49 lbs (6.1kg) per cabinet

STANDARD ACCESSORIES

Control Box:	LD-SCB-025
Power Cord:	1
Installation Guide:	1
Wall Mount:	1
Spare Parts:	LED module 7%
Maintenance Tool:	RSPL

OPTIONAL ACCESSORIES

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