



ALL-IN-ONE LED DISPLAY

**LDC031-180**

## Key Features

- Customisable screen size with All-in-One design for hassle-free installation
- Anti-collision, dustproof, and moisture-proof through GOB surface treatment
- Centralised and efficient management via LAN control
- Detachable system control box for minimalistic aesthetics and easy access
- Ultra-slim design that seamlessly blends into any space



## Product Description

The ViewSonic LDC series is an innovative, customizable All-in-One LED display that offers flexible sizing and effortless installation—all in a single solution. Combine the LDC031-180 LED cabinet to create video walls in diverse aspect ratios 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. Using Glue-on-Board (GOB) surface treatment technology, the IP54-rated LED modules provide enhanced protection against collision, dust, and moisture — making it ideal for public spaces such as lobbies, shopping malls, and transportation hubs. With its slim 31mm thickness and a control box that can be detached to achieve a 99% screen-to-body ratio, this premium display offers an exceptional viewing experience with sleek aesthetics. Complete with centralized management through LAN connectivity to enhance operational efficiency.

|                              |                  |                  |                                   |
|------------------------------|------------------|------------------|-----------------------------------|
| 1. USB 2.0                   | 11. Internet     | 21. HDMI Out     | 31. USB-A 2.0                     |
| 2. Power Key + LED Indicator | 12. Service      | 22. SPDIF Out    | 32. Menu Control Setting          |
| 3. Cabinet LAN Cable x18     | 13. RS-232       | 23. HDMI In x4   | 33. Menu Control Enter            |
| 4. HDMI 2.0 Output x2        | 14. USV 2.0 x2   | 24. LAN          | 34. Menu Control Brightness Level |
| 5. DP 1.2 Output             | 15. Power Switch | 25. Audio Out x2 | 35. Power Button                  |
| 6. DP 1.2 Input              | 16. LAN Control  | 26. IR Interface | 36. Indicator Light               |
| 7. HDMI 2.0 Input x3         | 17. Service      | 27. Light Sensor |                                   |
| 8. Optical                   | 18. AC Out x4    | 28. IR Receiver  |                                   |
| 9. IR Extended               | 19. AC In x2     | 29. USB-C        |                                   |
| 10. Audio Out                | 20. Speakers     | 30. USB-A 3.0    |                                   |

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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):      | 1.8                                    |
| 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                          |
| Local Storage:         | Total 32GB<br>(26GB available storage) |
| Embedded OS:           | Android 9.0                            |
| 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:          | 4<br>(HDMI 2.0/HDCP 2.2)<br>(internal x3, external x1) |
| USB Type A:    | 3<br>(USB3.0 x1, USB2.0 x2)                            |
| RJ45 Input:    | 3<br>(internet x2, control x1)                         |
| IR in (3.5mm): | 1  |
| Wi-Fi Input:   | 2.4G/5G Hz   |
| USB Type C:    | 1<br>(data only)                                       |

**OUTPUT**

|                     |  |
|---------------------|--|
| HDMI out:           | 1<br>(HDMI 1.4/HDCP 1.4)<br>(internal x1)  |
| Speaker:            | 30Wx2  |
| Audio out (3.5mm):  | 2  |
| S/PDIF:             | 1  |
| USB Type A (Power): | Shared with USB A input<br>(USB 3.0 5V/0.9A x1, USB 2.0<br>5V/0.5A x1, USB 2.0 5V/2A x1) |
| USB Type C (Power): | Shared with USB Type C input<br>(5V/1A x1)   |

**CONTROL**

|                          |                            |
|--------------------------|----------------------------|
| RJ45 (LAN control):      | 1(shared with internet)    |
| USB Type A (Services):   | 1(shared with USB A input) |
| RS232 (DB 9-pin female): | 1                          |
| IR Receiver:             | 1                          |
| Light Sensor:            | 1                          |

**OTHERS**

|                             |   |
|-----------------------------|---|
| Power Supply Voltage:       | 100-240V ~ 50/60Hz<br>(vary by country)                                 |
| Power Consumption (W/unit): | 33W per cabinet (typ),<br>100W per cabinet (max),<br>< 0.5W (Hibernate) |
| Power Consumption (W/m²):   | 107W/m² (typ),<br>326W/m² (max)   |
| Operating Temperature:      | 0~40°C  |
| Total LED Module Quantity:  | 6 per cabinet   |
| Ingress Protection Rating:  | IP54(Front)   |
| Impact Protection Rating:   | IK06(Front)   |
| Net Weight:                 | 13.89 lbs<br>(6.3kg) per cabinet  |

**STANDARD ACCESSORIES**

|                     |                                      |
|---------------------|--------------------------------------|
| Control Box:        | LD-SCB-023                           |
| Power Cord:         | By Configuration                     |
| LAN Cable (Cat 5E): | 1                                    |
| IR Extender Cable:  | 1                                    |
| Remote Control:     | 1                                    |
| Installation Guide: | 1                                    |
| Wall Mount:         | 1                                    |
| Spare Parts:        | LED module 7%<br>3 in 1 hub board x1 |
| Maintenance Tool:   | LD-MK-004 x1<br>LD-MK-006 x1         |

**OPTIONAL ACCESSORIES**

|                   |   |
|-------------------|---|
| Control Box:      | LD-SCB-011<br>LD-SCB-021                            |
| Maintenance Tool: | LD-MK-004<br>LD-MK-006                              |
| Floor Stand:      | LD-STND-009<br>(support<br>4x3/4x4/5x3/5x4/6x3/6x4) |