



DIRECT VIEW LED

LDC031-120

Key Features

- Customizable screen size with All-in-One design for hassle-free installation
- Anti-collision, dustproof, and moisture-proof through GOB surface treatment
- Centralized 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 LDC031-120 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: | IMD 2 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 |
| Local Storage: | Total 32GB (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 (HDMI 2.0/HDCP 2.2) (internal x3, external x1) |
| USB Type A: | 3 (USB3.0 x1, USB2.0 x2) |
| RJ45 Input: | 3 (internet x2, control x1) |
| IR in (3.5mm): | 1 |
| Wi-Fi Input: | 2.4G/5G Hz |
| USB Type C: | 1 (data only) |

OUTPUT

| | |
|---------------------|--|
| HDMI out: | 1 (HDMI 1.4/HDCP 1.4) (internal x1) |
| Speaker: | 30Wx2 |
| Audio out (3.5mm): | 2 |
| S/PDIF: | 1 |
| USB Type A (Power): | Shared with USB A input (USB 3.0 5V/0.9A x1, USB 2.0 5V/0.5A x1, USB 2.0 5V/2A x1) |
| USB Type C (Power): | Shared with USB Type C input (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 (vary by country) |
| Power Consumption (W/unit): | 48W per cabinet (typ), 145W per cabinet (max), < 0.5W (Hibernate) |
| Power Consumption (W/m²): | 156W/m² (typ), 472W/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 (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% 3 in 1 hub board x1 |
| Maintenance Tool: | LD-MK-004 x1 LD-MK-006 x1 |

OPTIONAL ACCESSORIES

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