Key Features

- Mini LED with ultra-fine 1.2mm 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-121C 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 32.9mm 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
- 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 (Outpu 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 21. Ethernet Port x6 (Output)

Visit Us

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SPECIFICATION

OPTIONAL ACCESSORIES

Screen Size: 27"	SPECIFICATION			
LED Package Type: Flip Chip COB	Screen Size:	27"		
Pixel Pitch (mm):	Panel Technology:	Direct view LED		
Brightness (max.): 600 nits (100 levels adjustable)	LED Package Type:	Flip Chip COB		
Contrast Ratio (typ.): 10000:1 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 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 1 HDMI out: 1 (HDMI 1.3/HDCP 1.4) Audio out (3.5mm): 1 USB Type A (Power): (USB 3.0 5V/0.9A x1, USB 2.0 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 A (Services): 1(shared with USB A input) USB Type B (Debug): 1 RS232 (DB 9-pin female): 0 OTHERS 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50/Hz or 220-240V/10A ~ 50/Hz or 220-240V/10A ~ 50/Hz or 220-240V/10A ~	Pixel Pitch (mm):	1.25		
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 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 1 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 R.445 (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 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Supply Voltage: 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Consumption: 4 per cabinet	Brightness (max.):	600 nits (100 levels adjustable)		
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 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 1 (HDMI 1.3/HDCP 1.4) 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 RX232 (DB 9-pin female): 1(3 pin) OTHERS 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Supply Voltage: 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Consumption: 4 per cabinet (typ), 54W per cabinet (max), < 0.5W (Hibernate)	Contrast Ratio (typ.):	10000:1		
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 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 1 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 2 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 100-120V/20A - 50/60Hz or 220-240V/10A - 50Hz (vary by country) Power Supply Voltage: 220-240V/10A - 50Hz (vary by country) Power Consumption: 54W per cabinet (tmax), 40 per ca	Orientation:	Landscape		
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 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 1 HDMI out: 1 (HDMI 1.3/HDCP 1.4) Audio out (3.5mm): 1 USB Type A (Power): 2 Shared with USB A input (USB 3.0 5V/0.9A x1, USB 2.0 5V/0.5A x1) CONTROL 2 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 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Supply Voltage: 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Consumption: 18W per cabinet ((pp.) 54W per cabinet (max), < 0.5W (Hibernate)	Viewing Angles (typ.):	H = 170, V = 170		
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/0.5A 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 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Consumption: 18W per cabinet (typ), 54W per cabinet (max), < 0.5W (Hibernate) Operating Temperature: 0~40°C Total LED Module Quantity: 4 per cabinet Ingress Protection Rating: IP54(Front) Impact Protection Rating: IP54(Front) Impact Protection Rating: IP54(Front) Impact Protection Rating: IN66(Front) Net Weight: 8.16 lbs (3.7kg) per cabinet STANDARD ACCESSORIES Control Box: LD-SCB-025 Power Cord: 1 Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	LED Lifetime (typ.):	100,000 Hours		
Horizontal Frequency: 31K-94kHz	Resolution Support:			
New Control Services Se-85Hz Services Se-85Hz	HDTV Compatibility:	480p, 576p, 720p, 1080p, 2160p		
INPUT	Horizontal Frequency:	31K-94kHz		
HDMI: (HDMI 2.0/HDCP 2.2 x1, HDMI 1.3/HDCP 1.4 x2) USB Type A: 2	Vertical Scan Rate:	56-85Hz		
HDMI:	INPUT			
RJ45 Input: 2	HDMI:	(HDMI 2.0/HDCP 2.2 x1, HDMI		
Audio-in (3.5mm): OUTPUT HDMI out: Audio out (3.5mm): USB Type A (Power): USB Type A (Power): USB Type A (Services): USB Type B (Debug): USB Type B (Debug): TRS232 (DB 9-pin female): Power Supply Voltage: Power Consumption: Diamond Temperature: Operating Temperature: Operating Temperature: Total LED Module Quantity: Impact Protection Rating: Ingact Protection Rating: Installation Guide: Installation Guide: Wall Mount: Spare Parts: LED module 7% Indicate with USB A input (USB A input) Ingact Protection Rating: Ingact Protection Rating: Ingact Protection Rating: Installation Guide: In	USB Type A:	-		
OUTPUT HDMI out:	RJ45 Input:			
## HDMI out: Audio out (3.5mm):	Audio-in (3.5mm):	1		
Audio out (3.5mm): USB Type A (Power): USB Type A (Power): USB Type A (Power): CONTROL RJ45 (LAN control): USB Type B (Debug): RS232 (DB 9-pin female): Power Supply Voltage: Power Supply Voltage: 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Consumption: 18W per cabinet (typ), 54W per cabinet (max), < 0.5W (Hibernate) Operating Temperature: O~40°C Total LED Module Quantity: Ingress Protection Rating: Impact Protection Rating: IRS06(Front) Net Weight: STANDARD ACCESSORIES Control Box: LD-SCB-025 Power Cord: Installation Guide: Wall Mount: 1 Spare Parts: LED module 7%	OUTPUT			
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USB Type A (Power): (USB 3.0 5V/0.9A x1, USB 2.0 5V/0.5A x1) CONTROL RJ45 (LAN control): USB Type A (Services): USB Type B (Debug): RS232 (DB 9-pin female): OTHERS Power Supply Voltage: Power Supply Voltage: 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) 18W per cabinet (typ), 54W per cabinet (max), < 0.5W (Hibernate) Operating Temperature: O-40°C Total LED Module Quantity: Ingress Protection Rating: Ingress Protection Rating: Ingress Protection Rating: INS06(Front) Net Weight: STANDARD ACCESSORIES Control Box: LD-SCB-025 Power Cord: Installation Guide: Wall Mount: 1 Spare Parts: LED module 7%	Audio out (3.5mm):	1		
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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: 220-240V/10A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Consumption: 18W per cabinet (typ), 54W per cabinet (max), < 0.5W (Hibernate) 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: 1 Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	CONTROL			
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RS232 (DB 9-pin female): OTHERS Power Supply Voltage: 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) 18W per cabinet (typ), 54W per cabinet (max), < 0.5W (Hibernate) Operating Temperature: 0~40°C Total LED Module Quantity: 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: Installation Guide: 1 Spare Parts: LED module 7%	USB Type A (Services):	1(shared with USB A input)		
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Power Supply Voltage: 100-120V/20A ~ 50/60Hz or 220-240V/10A ~ 50Hz (vary by country) Power Consumption: 18W per cabinet (typ), 54W per cabinet (max), < 0.5W (Hibernate) Operating Temperature: 0~40°C Total LED Module Quantity: 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: Installation Guide: 1 Spare Parts: LED module 7%	RS232 (DB 9-pin female):	1(3 pin)		
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Power Consumption: 54W per cabinet (max), < 0.5W (Hibernate) 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: 1 Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	Power Supply Voltage:	220-240V/10A ~ 50Hz		
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: 1 Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	Power Consumption:	54W per cabinet (max),		
Ingress Protection Rating: Impact Protection Rating: Ik(06(Front) Net Weight: STANDARD ACCESSORIES Control Box: LD-SCB-025 Power Cord: Installation Guide: Wall Mount: Spare Parts: LP54(Front) Ik(06(Front) 8.16 lbs (3.7kg) per cabinet 1. LD-SCB-025 1. LD-SCB-025 LD	Operating Temperature:	0~40°C		
Impact Protection Rating: Net Weight: 8.16 lbs (3.7kg) per cabinet STANDARD ACCESSORIES Control Box: LD-SCB-025 Power Cord: Installation Guide: Wall Mount: 1 Spare Parts: LED module 7%	Total LED Module Quantity:	4 per cabinet		
Net Weight: 8.16 lbs (3.7kg) per cabinet STANDARD ACCESSORIES Control Box: LD-SCB-025 Power Cord: Installation Guide: Wall Mount: Spare Parts: LED module 7%	Ingress Protection Rating:	IP54(Front)		
Net Weight: (3.7kg) per cabinet STANDARD ACCESSORIES Control Box: LD-SCB-025 Power Cord: 1 Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	Impact Protection Rating:	IK06(Front)		
Control Box: LD-SCB-025 Power Cord: 1 Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	Net Weight:			
Power Cord: 1 Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	, -,,			
Installation Guide: 1 Wall Mount: 1 Spare Parts: LED module 7%	Control Box:	LD-SCB-025		
Wall Mount: 1 Spare Parts: LED module 7%	Power Cord:	1		
Spare Parts: LED module 7%	Installation Guide:	1		
•	Wall Mount:	1		
Maintenance Tool: RSPL	Spare Parts:	LED module 7%		
	Maintenance Tool:	RSPL		

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