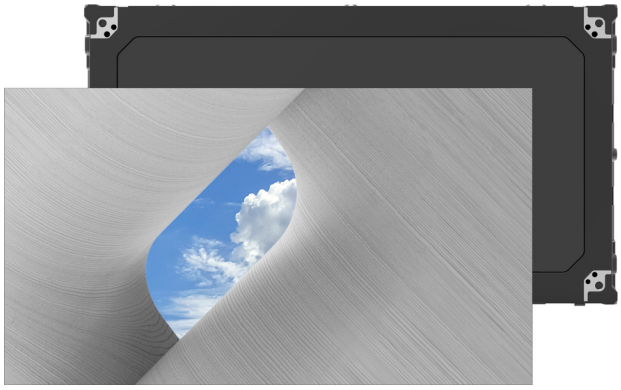
DIRECT VIEW LED

LDC027 Series

Key **Features**



- Customizable screen shapes and sizes with an All-in-One design simplify deployment
- 0.9–2.5mm pixel pitch with MIP, COB, and GOB options cover any application with precision
- Flexible control options support simple operation and advanced Pro AV integration
- IP65 and up to IK08 ratings protect against dust, moisture, and impact for lasting durability
- AV control system compatibility with Q-SYS and major platforms streamlines integration

Product **Description**

The ViewSonic LDC027 series offers customizable LED display solutions designed to deliver flexible screen shapes and sizes, without the complexity of traditional LED installation. With support for MIP, COB, and GOB LED technologies and pixel pitch options from 0.9mm to 2.5mm, the series enables users to select the right configuration for diverse Pro AV applications. From simplified all-in-one deployment to advanced systems and open integration, it enables efficient, scalable LED implementations. Engineered for demanding environments, the LDC027 series features IP65-rated and up to IK08-certified surface protection to ensure reliable, long-term performance. Compatibility with leading AV control systems such as Q-SYS enables seamless integration, while full front-access maintenance with hot-swappable modules simplifies ongoing operation. From corporate and education to hospitality and retail environments, the LDC027 series delivers LED solutions that are easy to deploy, integrate, and manage.

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SPECIFICATION

Screen Size:	27"
Panel Technology:	Direct view LED
LED Package Type:	Flip Chip MIP, Flip Chip COB, SMD 3 in 1 (GOB)
Bonding Wire:	MIP: N/A, COB: N/A, GOB: Copper
Pixel Pitch (mm):	0.94, 1.25, 1.56, 1.88, 2.5
Module Resolution (W x H, pixel):	320 x 180, 240 x 135, 192 x 108, 160 x 90, 120 x 135
Module Dimensions (W x H):	11.81 x 6.64 inches (300 x 168.75 mm) *P2.5 models:11.81 x 13.29 inches (300 x 337.5mm)
No. of Modules per Cabinet (W × H):	2 x 2 *P2.5 models: 2x1
Cabinet Resolution (W x H, pixel):	640 x 360, 480 x 270, 384 x 216, 320 x 180, 240 x 135
Cabinet Dimensions (W x H x D):	23.62 x 13.29 x 1.25 inches (600 x 337.5 x 31.8 mm)
No. of Cabinets (W × H, per screen):	1 x 1
Total LED Module Quantity:	4 per cabinet *P2.5 models: 2 per cabinet
Refresh Rate:	MIP: 7680Hz, COB: 3840Hz, GOB: 3840Hz
LED Grayscale:	MIP: 14bits, COB: 13bits, GOB:13bits
Display Color:	MIP: 4.4 Trillion, COB:549.8 Billion, GOB:549.8 Billion
Brightness (max.):	MIP: 800 nits (100 levels adjustable), COB: 600 nits (100 levels adjustable), GOB: 600 nits (100 levels adjustable)
Contrast Ratio (typ.):	MIP: 15000:1, COB: 10000:1, GOB: 6500:1
Color Temperature:	3000K -10000K
Orientation:	Landscape
Viewing Angles (typ.):	H = 170, V = 170
LED Lifetime (typ.):	100,000 Hours
Receiver Card:	Self-Developed
Processor:	RK3588 *N models: N/A
Local Storage:	N/A *A models: Total 64GB (38GB available storage)
Embedded OS:	Simplified OS *A models: Android 13, N models: N/A
Resolution Support:	VGA(640 x 480) to 4K(3840 x 2160@60hz) *N models: N/A
HDTV Compatibility:	480p, 576p, 720p, 1080p, 2160p *N models: N/A
Horizontal Frequency:	31K-94kHz *N models: N/A
Vertical Scan Rate:	56-84Hz *N models: N/A

INPUT

HDMI:	2 (HDMI 2.0/HDCP 2.2 x1, HDMI1.4/HDCP1.4 x1) (internal x2) *A models: 4 (HDMI 2.0/HDCP 2.2), N models: N/A
USB Type A:	2 (USB3.0)(internal x1, external x1) *A models: 3 (USB3.0 x2, USB2.0 x1), N models: N/A
RJ45 Input:	1 (control) *A models: 3 (internet/control x1, service x1, reserve x1), N models: N/A
IR in (3.5mm):	N/A *A models: 1
Wi-Fi Input:	N/A *A models: 2.4G/5G Hz
USB Type C:	N/A *A models: 1(data only)

OUTPUT

HDMI out:	1 (HDMI 1.4/HDCP 1.4) (internal x1) *A models: 1(HDMI 2.0/HDCP 2.2), N models: N/A
Speaker:	N/A *A models: 30Wx2
Audio out (3.5mm):	1 *N models: N/A
USB Type A (Power):	Shared with USB A input (5V/0.9A) *A models: Shared with USB A input (USB 3.0 5V/1A x2, USB 2.0 5V/0.5A x1), N models: N/A
USB Type C (Power):	N/A *A models: Shared with USB Type C input (5V/1A x1)

CONTROL

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

OTHERS

Power Supply Voltage:	100-240V ~ 50/60Hz (vary by country)
Power Consumption (W/unit):	15–24W (typ), 45–72W (max), <0.5W (Hibernate) *A models: 13–22 W/m² (typ), 40-68 W/m² (max), N models: 15–24W (typ), 45–71W (max), Hibernate not supported
Power Consumption (W/m²):	74–119 W/m² (typ), 222–356 W/m² (max) *A models: 64–109 W/m² (typ), 198-332 W/m² (max), N models: 74–119 W/m² (typ), 222–351 W/m² (max)
Heat Dissipation (BTU/hr):	51.2–81.9 BTU/hr (typ), 153.5–245.7 BTU/hr (max) *A models: 44.4–75.1 BTU/hr (typ), 153.5–245.7 BTU/hr (max), N models: 51.2–81.9 BTU/hr (typ), 153.5–242.3 BTU/hr (max)
Heat Dissipation per Unit Area (BTU/h/m²):	252.5–406 (typ), 757.5–1214.7 (max) *A models: 219–370.7 (typ), 674–1145.8 (max), N models: 252.5–406 (typ), 757.5–1197.6 (max)
Operating Temperature:	0~40℃
Total LED Module Quantity:	4 per cabinet
Ingress Protection Rating:	IP65(Front)
Impact Protection Rating:	MIP: IK06, COB: IK08, GOB: IK06 (Front)
Carton:	Wooden Box
Net Weight (without wall mount):	7.5 lbs (3.4 kg) per cabinet
OSD Language:	English, French, Spanish, German, Russian, Dutch, T-Chinese, S-Chinese, Turkish, Arabic, Japanese, Korean, Italian, Total 13 languages *A models: Total 11 languages (without Korean & Italian), N models: N/A
User Guide Language:	English, French, Spanish, German, T-Chinese, Total 5 languages

STANDARD ACCESSORIES

Control Box:	Built-in *A models: LD-SCB-202, N models: N/A
Power Cord:	By Configuration
HDMI Cable:	1(USB Type C to HDMI) *A models: N/A, N models: N/A
RS232 Cable:	1(3.5mm to RS232) *N models: N/A
LAN Cable (Cat 5E):	1
IR Extender Cable:	N/A *A models: 1
Remote Control:	1(IR) *A models: 1(Bluetooth & IR), N models: N/A
QSG:	1
Wall Mount:	1
Spare Parts:	LED module 7% 3 in 1 hub board x1
Maintenance Tool:	LD-MK-006 x1 *A models: LD-MK-004 x1 , LD-MK-006 x1 , P2.5 models: LD-MK-003 x1

OPTIONAL ACCESSORIES

Maintenance Tool:	LD-MK-006 *A models: LD-MK-004, LD-MK-006, P2.5 models: LD-MK-003
Floor Stand:	LD-STND-009 (support 4x4/4x5/4x6/5x4/5x5/5x6/6x4/6x5/6x6)

FEATUR

Cinema
LAN Con
• Crestro
• Extron
• MyVie
• Q-SYS
AirSync:
Full front
24/7 Ope
Auto Brig detection
BLANK control):
FW upgr
Wireless
Detachal
PIP/PBP
LED Con
CEC:
Signal de

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