

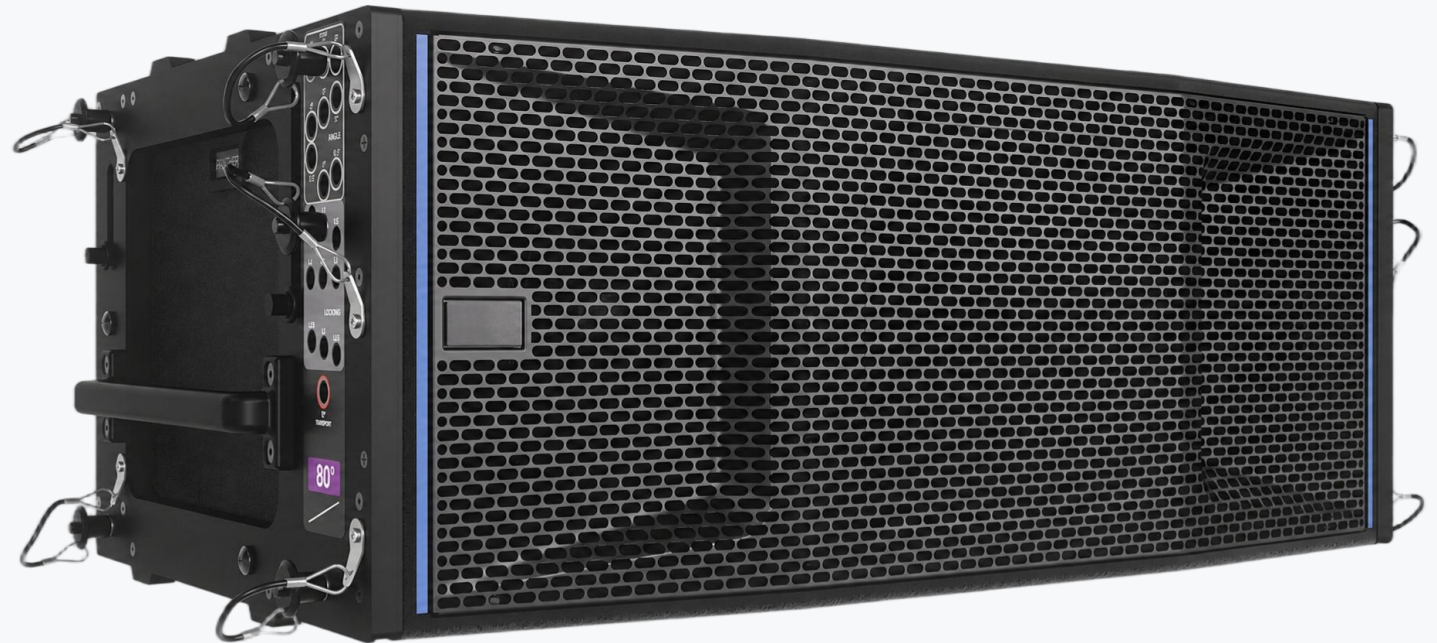
PANTHER

Large-format linear line array loudspeaker

150.5 dB maximum sound level
High-output self-powered line array platform

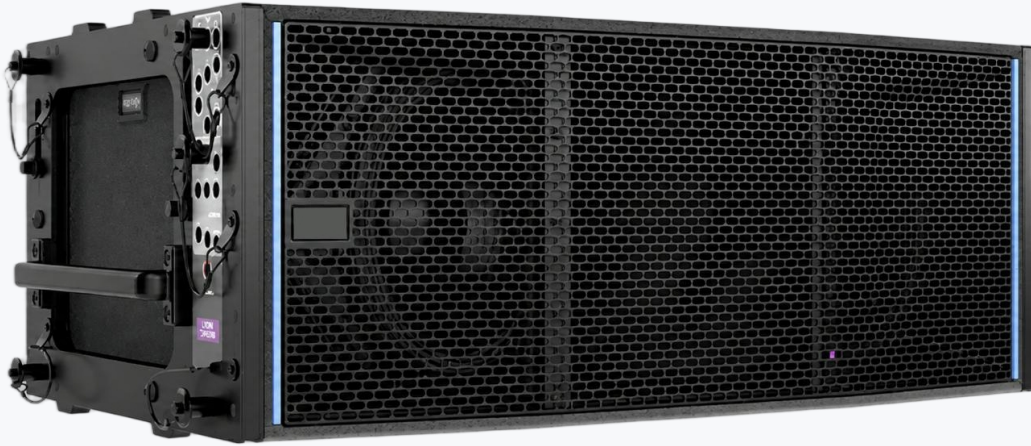
Three coverage options
PANTHER-L 80° / PANTHER-M 95° / PANTHER-W 110°

Compact 150 lb cabinet
68 kg enclosure with IP55-rated deployment capability



Product Positioning

Large-scale reinforcement platform for touring and high-output applications



Positioning

- Self-powered large-format line array for concerts, festivals, arenas and large-scale events.
- Designed for high SPL with compact cabinet size and reduced transport complexity.
- Three horizontal coverage models allow designers to tailor array coverage to venue geometry.

Core Value

- Predictable deployment with integrated amplification and processing.
- Milan AVB and analog input architecture supports current and future signal infrastructures.
- IP55-rated cabinet and Neutrik TOP connectors support outdoor production requirements.

Application focus: touring sound, stadium / arena reinforcement, large festivals, corporate AV and scalable rental systems.

Key Performance

Core performance data from official English datasheet



Frequency Range
55 Hz - 16 kHz

Maximum SPL
150.5 dB L/M · 149.5 dB W

Coverage
80° / 95° / 110° horizontal

Weight
150 lb / 68 kg

AC Power
200-240 V AC, 50/60 Hz

Power Use
1100 W max long-term · 2200 W burst

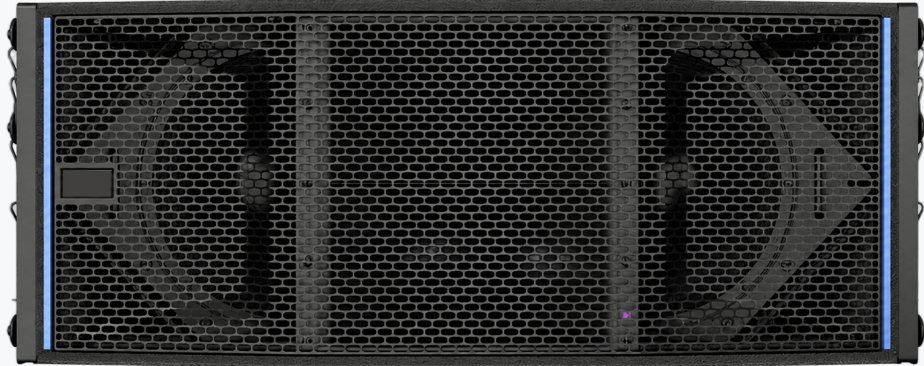
PANTHER-L / PANTHER-M / PANTHER-W are differentiated by horizontal dispersion while sharing the core platform architecture.

AES75 maximum linear sound levels
L: 127.5 dBZ / 144.5 dBZpk · M: 126.5 dBZ / 144 dBZpk · W: 126.5 dBZ / 142.5 dBZpk

Transducer architecture
Two 12-inch LF cone drivers plus two 3-inch diaphragm compression drivers coupled to an optimized horn.

Acoustic & Enclosure Design

Controlled coverage, self-powered architecture and outdoor-ready hardware



Acoustic Structure

- Two 12-inch long-excursion cone drivers for low-frequency output.
- Two 3-inch diaphragm compression drivers coupled to a horn.
- Optimized transducer placement supports controlled low-mid behavior in arrays of four or more units.

Self-powered design
Integrated amplifier architecture
reduces external amplifier racks
and simplifies deployment.

Milan AVB ready
Digital input path plus analog
XLR input for flexible
infrastructure.



Enclosure & Protection

- Premium multi-ply birch enclosure with slightly textured black finish.
- Powder-coated stamped steel grille.
- IP55 rating when connected with Neutrik TOP cables.

Technical Specifications

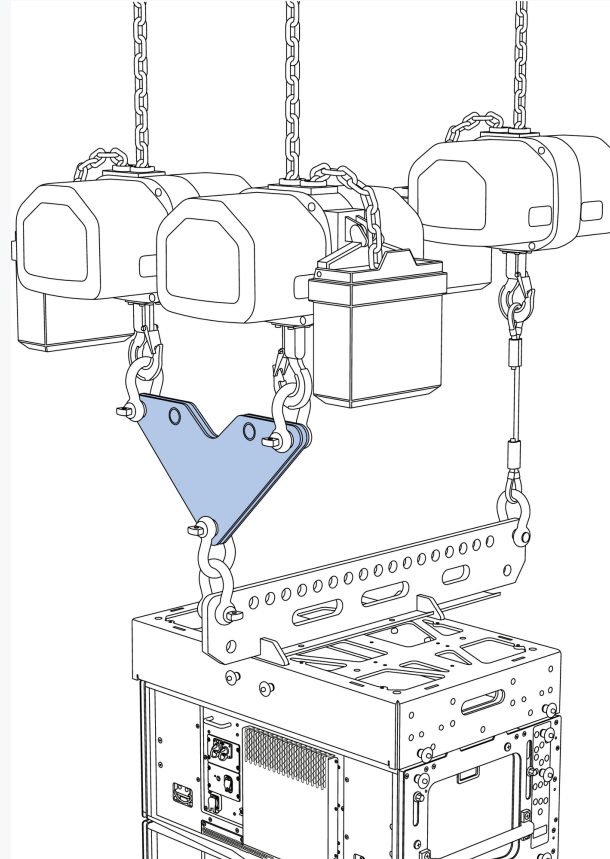
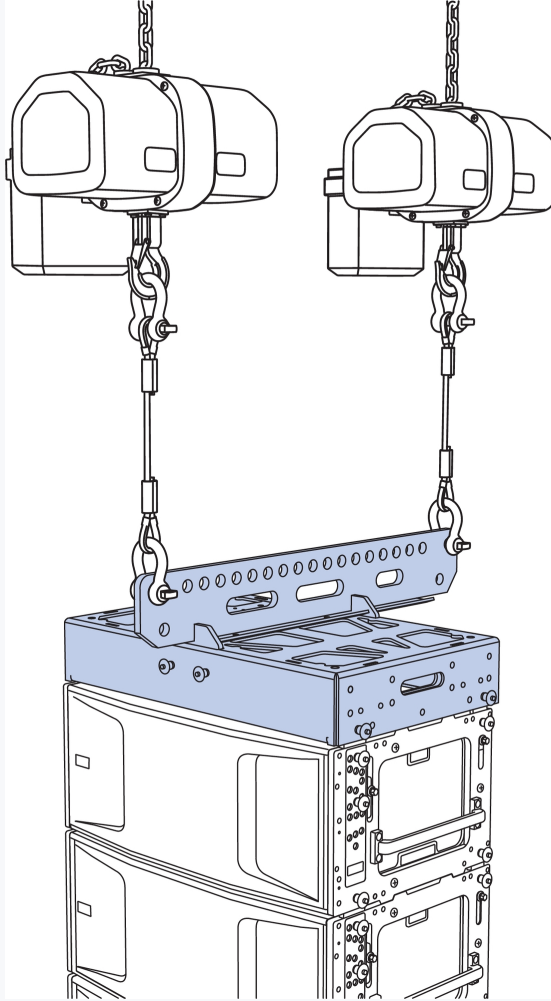
Editable technical table prepared from official English datasheet

Product Model	PANTHER-L / PANTHER-M / PANTHER-W
Type	Large-format linear line array loudspeaker
Drivers	LF: 2 × 12-inch long-excursion cone drivers; HF: 2 × 3-inch diaphragm compression drivers
Frequency Response	55 Hz - 16 kHz operating frequency range
Rated Power	Not specified in official materials as amplifier output; max long-term continuous power consumption: 1100 W
Peak Power	Not specified as amplifier output; official burst power consumption: 2200 W
Sensitivity	Not specified in official materials
Maximum SPL	150.5 dB (PANTHER-L), 150.5 dB (PANTHER-M), 149.5 dB (PANTHER-W)
Nominal Impedance	System nominal impedance not specified; LF 4 Ω nominal, HF 8 Ω nominal
Coverage / Dispersion	Horizontal: 80° L, 95° M, 110° W

Enclosure	Premium multi-ply birch, slightly textured black finish
Finish	Slightly textured black finish
Protective Grille	Powder-coated, stamped steel
Connectors	AC: Neutrik powerCON TRUE1 TOP; Analog: XLR 3-pin TOP female input with male loop output; Digital: Neutrik etherCON TOP
Dimensions	38.15 × 22.25 × 14.85 in / 969 × 565 × 377 mm
Weight	150 lb / 68 kg
Supplied Fittings	End frames with captive GuideALinks, quick-release pins and detachable side handles
Recommended Amplifier	Integrated self-powered Class D amplifier; no external amplifier specified
IP Rating	IP55 when connected to cables terminated with Neutrik TOP connectors
Operating Voltage	200 - 240 V AC, 50 or 60 Hz

System Application / Rigging

Official rigging visuals and hardware logic



Rigging Hardware

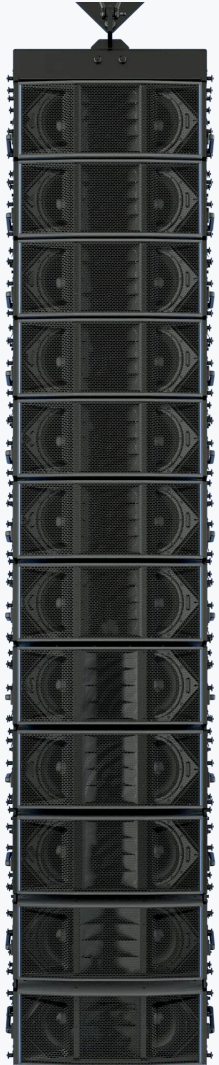
- MG-PANTHER Grid Kit provides mechanical connection between hoists and PANTHER cabinets.
- GuideALinks and quick-release pins support array assembly and splay-angle setup.
- MVP Motor V Plate enables horizontal array aim adjustment up to $\pm 18^\circ$.

System Check

- Model each array configuration in MAPP before suspension.
- Confirm safety limits and hardware loading before lift.
- Use the official quick-release pins and compatible rigging hardware.

Deployment Options

Array logic, flown configuration and system pairing



Coverage selection

Choose L / M / W models by required horizontal pattern and audience geometry.

Array prediction

Use system design software to confirm SPL, coverage and rigging safety limits.

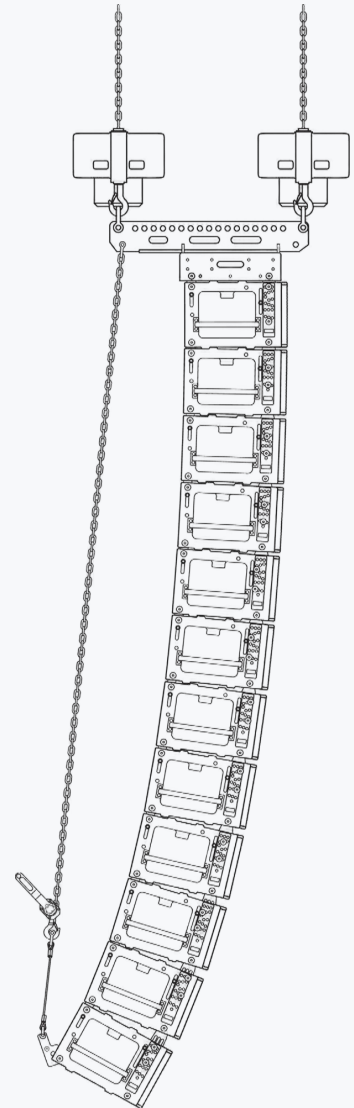
Subwoofer pairing

Low-frequency response is optimized to pair with the Meyer Sound LFC family.

Transport workflow

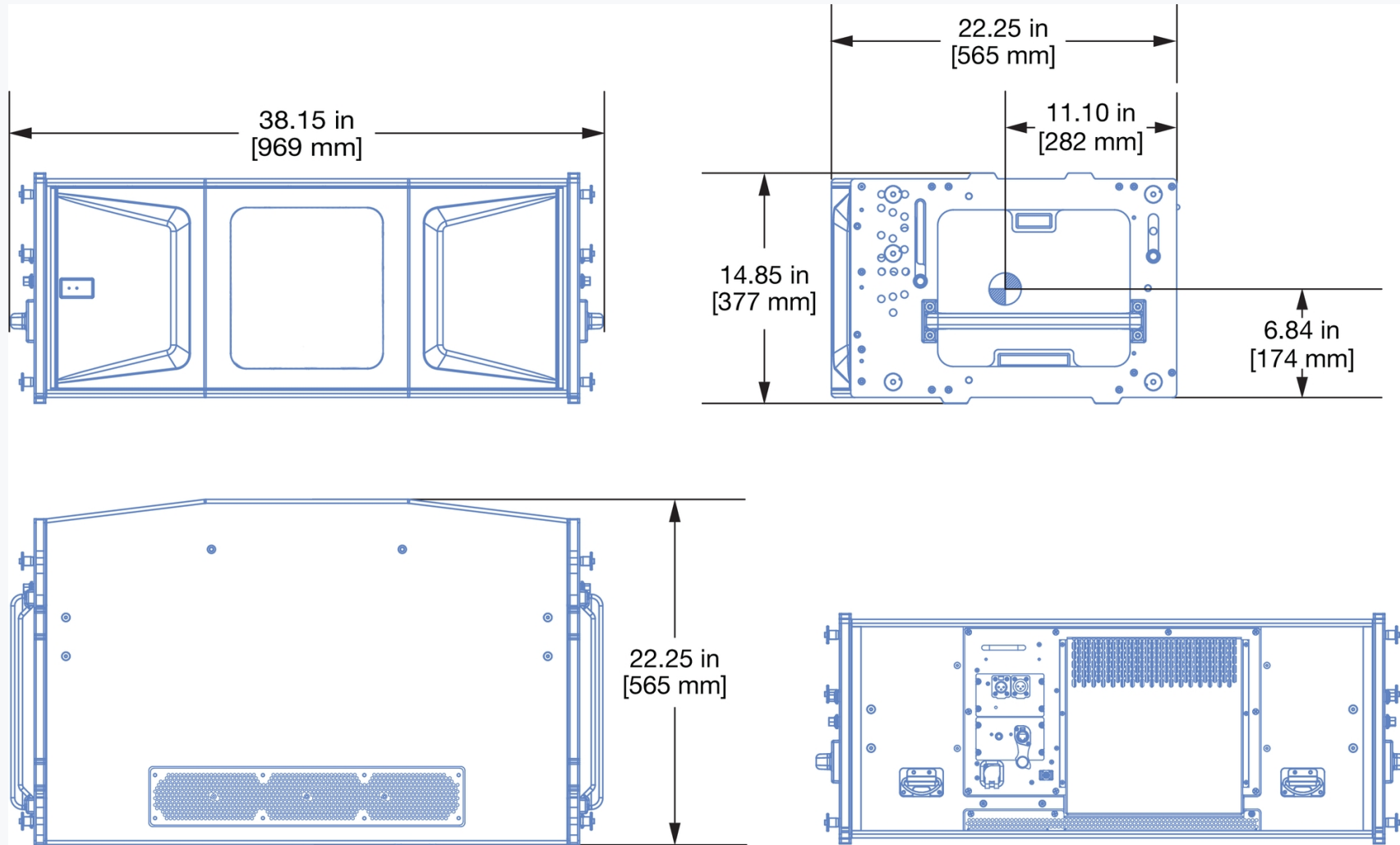
Caster frame supports up to four PANTHER cabinets for efficient array assembly blocks.

Deployment logic: scalable flown line arrays, pull-up or pull-back configurations, and compatible low-frequency extension.



Technical Drawing / Dimensions

Official dimension drawing for cabinet reference



Key cabinet dimensions shown: 38.15 in / 969 mm width, 22.25 in / 565 mm depth, 14.85 in / 377 mm height.

Connections & Hardware Details

Power, analog audio, digital input and cabinet hardware



AC power
Neutrik powerCON TRUE1 TOP
connector with 200-240 V AC
operating voltage range.

Analog audio
Neutrik XLR 3-pin TOP female input
with male loop output.

Digital audio
Neutrik etherCON TOP; AVB, Milan
Certified digital format.

Telemetry
Loudspeaker telemetry transmitted
via Ethernet port and displayed in
software.

Hardware Notes

- End frames with captive GuideALinks support cabinet-to-cabinet connection.
- Quick-release pins set and lock splay angles during array assembly.
- Detachable side handles support handling and deployment workflow.

Accessories

Official accessory images, names and intended use



MCF-PANTHER Caster Frame Kit
Transport up to 4 PANTHER cabinets.



MG-PANTHER Grid Kit
Top grid used to fly PANTHER arrays.



MVP Motor V Plate
Connects two motors to a single grid / rigging point.



PANTHER 4 High Pullover Cover
Pullover cover for 4 PANTHER loudspeakers.



PBF-LYON Pull Back Bar Kit
Adds downtilt beyond what the grid provides.

Compatibility Notes

- PANTHER works with dedicated PANTHER accessories and selected LYON-compatible hardware.
- Accessory use must follow official documentation and rigging safety requirements.
- For suspended arrays, verify system limits with the official design / prediction workflow.

Application Scenarios

Use-case positioning only; not presented as project case evidence



Concert Touring
High-output flown systems for touring productions and large venues.

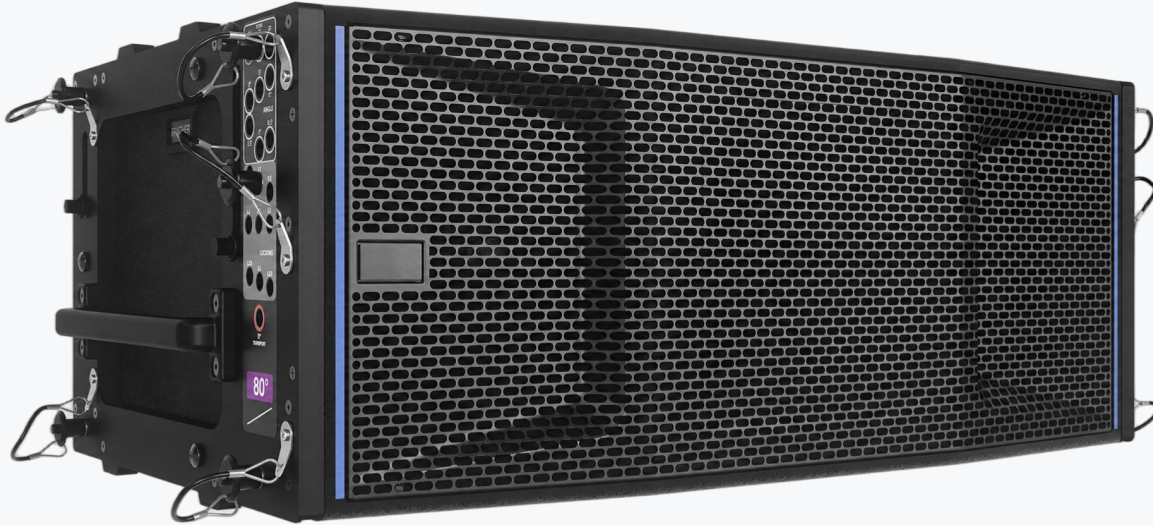
Festivals
Outdoor-ready reinforcement with efficient transport and power logistics.

Arenas & Stadiums
Long-throw array design with controlled horizontal coverage.

Corporate AV
Scalable self-powered deployment when clarity and headroom matter.

Product Summary

PANTHER at a glance



55 Hz - 16 kHz
Operating frequency range

150.5 dB
Maximum sound level for
L/M models

80° / 95° / 110°
Horizontal coverage options

150 lb / 68 kg
Cabinet weight

Summary

- Self-powered large-format linear line array loudspeaker.
- Three dispersion models for scalable professional system design.
- Integrated analog and Milan AVB digital input architecture.
- Outdoor-ready IP55 cabinet when used with compatible Neutrik TOP cable terminations.

Contact: LA SOUNDX® PROFESSIONAL AUDIO SYSTEM

Product consultation · system configuration · quotation support