DCA901 BROADCAST MICROPHONE ARRAY

OVERVIEW

The DCA901 redefines how sound is captured for broadcast. As the first digital array microphone tailored for broadcast, it recreates the front-row experience by delivering immersive, natural audio that pulls the viewer closer to the action. Whether covering a fast-paced game or a live studio production, the DCA901 streamlines deployment and gives engineers more control to shape a rich, detailed mix that keeps every moment in focus. Digitally steerable lobes cover more ground than traditional analog setups, capturing everything from fast-paced movements to subtle exchanges with fewer physical mics and cables. One network connection delivers up to eight channels of focused, high-fidelity audio with built-in DSP and direct outputs.

FEATURES

- Capture up to eight isolated audio channels from a single broadcast microphone array
- Steerable lobes let you virtually adjust pickup zones, reducing mic count and eliminating the need to reposition gear
- A single Dante or AES67 connection delivers audio, power, and control, simplifying routing and minimizing failure points
- Built-in DSP handles EQ, compression, delay, and automixing, giving you more time to focus on creative sound design
- Actively supports REMI workflows and alternate feeds with flexible routing and remote lobe control
- Presets streamline deployments and ensure consistent configurations across shows or seasons
- Supports seamless 5.1 immersive capture and stereo conversion for both modern and legacy formats
- Low profile design installs cleanly in stadiums, studios, or mobile setups and blends into camera-ready environments

SPECIFICATIONS Subjects to change.

GENERAL

Coverage Type	Steerable
Power Requirements	Power over Ethernet (PoE), Class 0
Power Consumption	10.1 W maximum
Control Software	Browser-based web application
Cable Requirements	Cat 5e or higher (shielded cable recommended)
Connector Type	RJ45

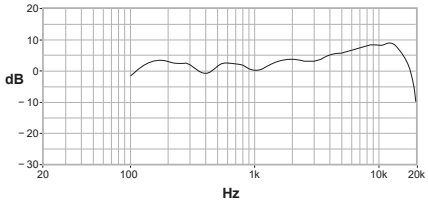
MICROPHONE

Frequency Response	100 Hz to 20 kHz
AES67 or Dante Digital Output	Channel Count: 12 total channels: 8 channel outputs, 1 mono automix output, stereo left and right automix outputs, and 1 PFL output Sampling Rate: 48 kHz Bit Depth: 24
Sensitivity at 1 kHz	–36.4 dBFS/Pa
Maximum SPL ***at 10% THD***	500 Hz and higher: 130.4 dB SPL 250 Hz: 128 dB SPL 125 Hz: 120 dB SPL 63 Hz and lower: 118 dB SPL
Signal-To-Noise Ratio	Ref. 94 dB SPL at 1 kHz 67.1 dB A-weighted
Latency ***Not including Dante latency***	Direct outputs : 13.5 ms Automix outputs: 21.5 ms
Self Noise	26.9 dB SPL-A
Dynamic Range	103.5 dB
Built-in Digital Signal Processing	Automatic mixing, noise reduction, compressor, delay, equalizer (4-band parametric), mute, gain (140 dB range)

PHYSICAL SPECIFICATIONS

Dimensions	Height: 1.64 in. (41.66 mm) Diameter: 13.5 in. (342.9 mm) Smaller top diameter: 11.61 in. (294.89 mm)
Weight	5 lb. (2.3 kg)
Plenum Rating	UL2043 (Suitable for Air Handling Spaces)
Dust Protection	IEC 60529 IP5X Dust Protected
Operating Temperature Range	–6.7°C (20°F) to 40°C (104°F)
Storage Temperature Range	–29°C (-20°F) to 74°C (165°F)

FREQUENCY RESPONSE Measured directly on-axis from a distance of 6 feet (1.83 m)



DCA901
Broadcast Microphone Array, Front

DCA901
Broadcast Microphone Array, Back

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