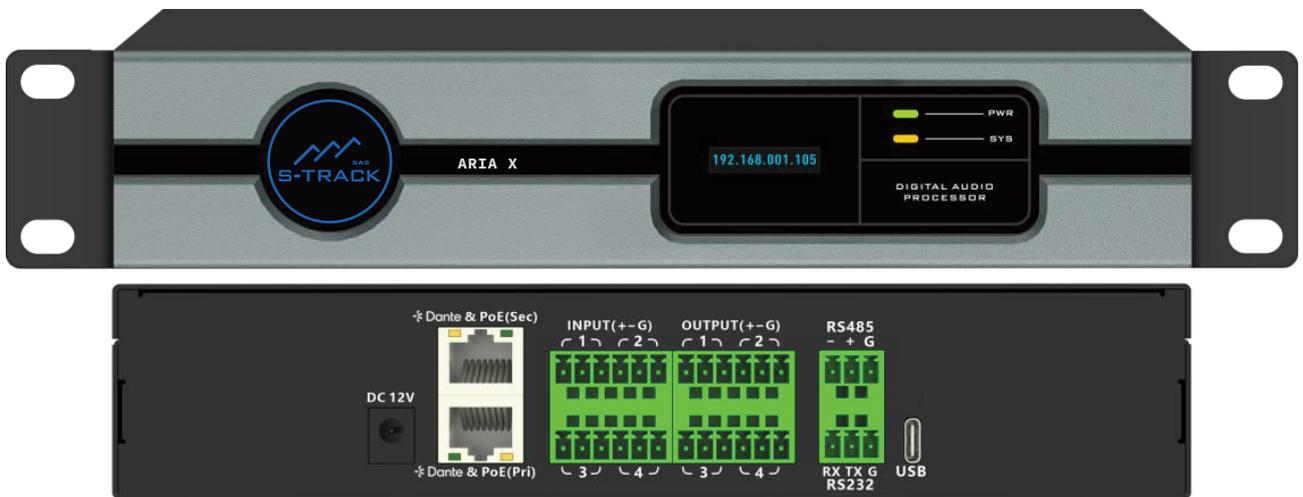


# Aria X

# Digital Signal

# Processor



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4 Channel IP Microphone Processor

# Product Overview

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Unlock the Full Potential of Your Talent with the Aria X 4-Channel Microphone Audio Processor.

Experience pristine audio and unmatched flexibility with the Aria X - the ultimate 4-channel microphone processor designed for today's demanding broadcast and production environments.

Built on advanced DSP technology, the Aria X delivers four fully independent channels of ultra-clean, high-dynamic-range voice processing - all in a compact, single-rack unit.

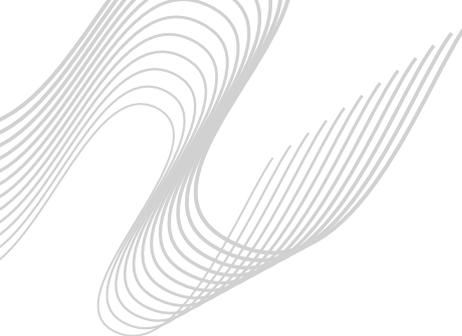
## Key Features

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- Four studio-grade microphone preamps with an ultra-low noise floor, massive headroom, and lightning-fast transient response
- Dante™, AES67, and ST2110-ready for seamless integration into IP-based audio networks — or use as a powerful standalone processor
- Remote control from anywhere on your network via an intuitive Windows-based GUI
- Comprehensive processing tools per channel, including:
  - 4-band parametric EQ with high/low shelving
  - High-pass and low-pass filters
  - Compressor, limiter, gate
  - 31-band graphic EQ

Whether you're upgrading your facility or building a new IP audio workflow, the Aria X is the smart, scalable solution that lets you maximize every voice, every mic, every time — all with crystal-clear transparency and zero coloration.

One Rack. Four Channels. Total Control.  
Give your on-air talent the sonic presence they deserve with the Aria X.



# Processing Architecture

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## Per Input Channel:

- Preamplifier
- 5-band Parametric Equalizer
- Compressor
- Ducker
- Acoustic Feedback Canceller (AFC)
- Acoustic Echo Canceller (AEC)
- Adaptive Noise Suppressor (ANS)

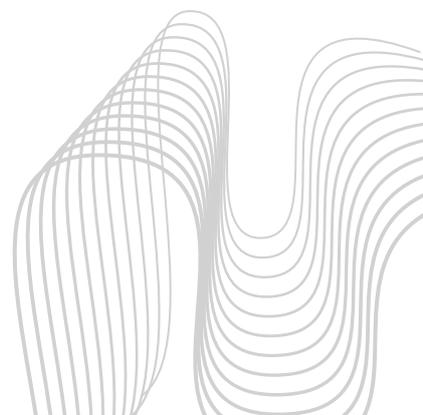
## Per Output Channel:

- 31-band Graphic Equalizer
- Limiter
- Channel Mute & Phase Invert

# Applications

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- Broadcast studios and control rooms
- Mobile production / OB vans
- Master control and NOC facilities
- Live sound-for-broadcast installations
- Government and public address systems with strict voice intelligibility requirements



# Specifications

Category	Parameter	Description
Peripherals	Input Interfaces	4 Analog + 4 Dante
	Output Interfaces	4 Analog + 4 Dante
	Display	Displays IP Address
	Control Interfaces	2 × RJ45, 1 × RS232, 1 × RS485
Audio Processing	DSP Processor	TI 456MHz FLOPS Dual-Core 32-bit DSP
	A/D, D/A Conversion	24-bit, 48kHz Sampling Rate
	Phantom Power	DC 48V
	Input Impedance	Balanced: 20kΩ
	Output Impedance	Balanced: 100Ω
	Common Mode Rejection Ratio	52dB @ 50Hz
	Frequency Response	20Hz–20kHz, ±0.15dB
	Noise Floor	–89dBu
	Signal-to-Noise Ratio	105dB
	THD+N	≤0.003% @ 1kHz, +4dBu
	Channel Isolation	100dB @ 1kHz, 4dBu
Input Range	≤+18dBu (A-weighted)	

