

ARES - TECHNICAL SPECIFICATIONS

HQ Mic	Conditions/Details	Value
General Conditions	Gain setting 15dBu 0 dBFS	
Impedance	Electronically balanced	$\geq 1\text{ k}\Omega$
Gain	For 0 dBFS	0 to 78 dB
Maximum Input Level	0 dB gain, Rsource = 50 Ω	+ 15 dBu
Frequency Response	20 Hz to 20 kHz, 40 dB gain	+/- 0.1 dB
THD + Noise	1 kHz, -9 dBFS (nominal level)	$\leq -98\text{ dB}$
CMRR	1 kHz, -11 dB to +40 dB gain	60 dB
Crosstalk	1 kHz (nominal level)	$\leq -110\text{ dB}$
Switchable High-Pass Filter		75 Hz -3 dB

Line Inputs	Conditions/Details	Value
Maximum Input Level	0 dB gain, Rsource = 50 Ω	+ 15 dBu
Impedance	Electronically balanced	$\geq 4.7\text{ k}\Omega$
Frequency Response	20 Hz to 20 kHz, 40 dB gain	+/- 0.15 dB
THD + Noise	1 kHz, -9 dBFS (nominal level)	$\leq -107\text{ dB}$
Crosstalk	1 kHz (nominal level)	$\leq -120\text{ dB}$

Line Outputs	Conditions/Details	Value
Output Level	RL $\geq 600\Omega$	+ 15 dBu
Impedance	Electronically balanced	50 Ω
Frequency Response	20 Hz to 20 kHz	+/- 0.25 dB
THD + Noise	1 kHz, -1 dBFS (nominal level)	-90 dB
Crosstalk	1 kHz (nominal level)	$\leq -115\text{ dB}$

AES/EBU Inputs	Conditions/Details	Value
Impedance		110 Ω
Sensitivity		Min. 0.2 VRMS
SRC Range		22 – 108 kHz

AES/EBU Outputs	Conditions/Details	Value
Impedance		110 Ω
Level	Into 110 Ω	3.0 VRM
SRC Range		22 – 108 kHz