

KW8

8" Coaxial audio moving-head
with monitoring camera on-board



FEATURES

- The first audio moving head with 8" coaxial and built in camera
- Accurately focus the directivity of sound
- High performance 126 dB peak
- Dedicated aiming software

APPLICATIONS

- Theme Parks
- Public announcement speakers
- Installed AV Systems
- Special Effects
- Stage and AV studio monitoring

ACCESSORIES

K-USB, K-USB/SDI

COLORS AVAILABLE

BLACK



DESCRIPTION

The Owl KW8 is one of the first self powered audio moving heads including a coaxial 8" transducer and a built in camera to allow users to accurately focus their directivity of sound. This feature bridges the gap between AV in a revolutionary concept. The Owl provides up to 500W of power, 120dB of SPL (continuous) and a frequency range from 60Hz to 19kHz.

It is a perfect solution for a range of applications including live 'on stage' monitoring, theme park installations, airports, train stations DJ effects and theatre installations however, the flexibility

of the Owl will offer an almost limitless number of solutions and in some cases reduce the amount of speakers required for one installation.

The Owl is part of the K-array concert series but it was designed to be a completely different solution for the most ambitious projects.

The dedicated software gives you the ability to control the settings, movement, sound and video together allowing you to create scenes and setups via DMX.



TECHNICAL SPECIFICATIONS

	ACOUSTICS		DMX
Power handling	300 + 50 W	Connector	1 male + 1 female 3-pin balanced XLR
Max power	500 ⁽¹⁾	Channels	11
Frequency range (-10 dB)	60 Hz – 19 kHz ⁽²⁾		AMPLIFIER
SPL 1W/1mt	96 dB ⁽³⁾	Type	1 module class D - DSP controlled
Maximum SPL	120 dB (cont.) – 126 dB (peak) ⁽⁴⁾	Nominal Power Output	1 X 450 W @ 4 Ω 1% THD + NOISE ⁽⁵⁾
	COVERAGE	Protections	Dynamic Limiter , Over Current , Over Temp. Short Circuit
Horizontal	70°	Frequency response	10 Hz – 25 kHz (+/- 3 dB) for 1W @ 8 Ω
Vertical	70°	Damping factor @ 100 Hz	>500
	CROSSOVER	THD+N 1kHz,1 W	0.010%
Type	DSP Controlled		AC POWER
Frequency	1200 Hz	Connector	1 x PowerCon
	TRANSDUCERS	Nominal voltage	115 / 230 Vac
Type	8" Neodymium magnet Woofer with 2.5" voice coil Neodymium magnet Compression Driver with 1" Voice Coil	Operating Range	85 - 130 Vac / 190 - 240 Vac at 50-60 Hz
	AUDIO IN/OUT	I. Nom	2 A at 115 Vac / 1 A at 230 Vac
Analog connectors	1 male + 1 female 3-pin balanced XLR	Efficiency	>80% (typical)
	SERVICE INPUT	1/8 rated power (pink noise)@ 4Ω	110 W
Connectors	1 USB		CERTIFICATION
	VIDEO	IP	20
Connectors	1 x BNC output		PHYSICAL
Camera	HD-SDI Mini Camera Wide angle lens Res. Output: Full HD Sensor: Sony Exmor CMOS 2.1 Megapixel	Dimensions	45 cm x 40.9 cm x 21.8 cm (14.1" x 18.1" x 8.6")
		Weight	10 Kg (22.1 lbs)

Notes for data

1. Maximum RMS applicable power for a musical signal. The reference signal is the one proposed by EIAJ standard
2. With dedicated preset;
3. Measured @4 mt then scaled @1 mt;
4. Measured with musical signal
5. EIAJ Test Standard, 1KHz, 1%THD

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

