

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

# **ACCESSIORIES**

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 (continuos) 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.





			DMX
	ACOUSTICS	Connector	1 male + 1 female 3-pin balanced XLR
Power handling	300 + 50 W		·
Max power	500 (1)	Channels	11
Frequency range (-10 dB)	60 Hz - 19 kHz <sup>(2)</sup>		AMPLIFIER
SPL 1W/1mt	96 dB <sup>(3)</sup>	Туре	1 module class D - DSP controlled
Maximum SPL	120 dB (cont.) – 126 dB (peak) <sup>(4)</sup>	Nominal Power Output	1 X 450 W @ 4 $\Omega$ 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 $\Omega$
Vertical	70°	Damping factor @ 100 Hz	>500
	CROSSOVER	THD+N 1kHz,1 W	0.010%
Туре	DSP Controlled		AC POWER
Frequency	1200 Hz	Connector	1 x PowerCon
	TRANSDUCERS	Nominal voltage	115 / 230 Vac
	8" Neodymiun magnet Woofer with 2.5"	voice coil Operating Range	85 - 130 Vac / 190 - 240 Vac at 50-60 Hz
Туре	Neodymium magnet Compression Driver with 1" Voice Coil	I. Nom	2 A at 115 Vac / 1 A at 230 Vac
	AUDIO IN/OUT		CONSUMPTION
Analog connectors	1 male + 1 female 3-pin balanced XLR	Efficiency	>80% (typical)
	SERVICE INPUT	1/8 rated power (pink noise)@ $4\Omega$	110 W
Connectors	1 USB		CERTIFICATION
	VIDEO	IP	20
Connectors	1 x BNC output		PHYSICAL
Camera	HD-SDI Mini Camera Wide angle lens Res Outnut: Full HD	Dimensions	45 cm x 40.9 cm x 21.8 cm (14.1" x 18.1" x 8.6")

Notes for data

Res. Output: Full HD

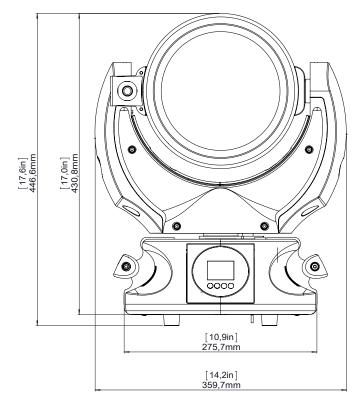
1. Maximum RMS applicable power for a musical signal. The reference signal is the one proposed by  ${\sf EIAJ}$ 1. Maximum RMS applicable power for a standard
2. With dedicated preset;
3. Measured @4 mt then scaled @1 mt;
4. Measured with musical signal
5. EIAJ Test Standard, 1KHz, 1%THD

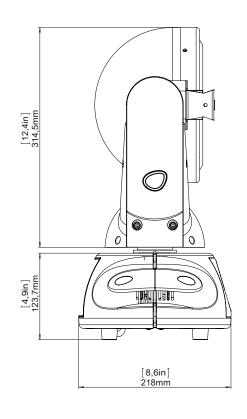
Weight

10 Kg (22.1 lbs)

Sensor: Sony Exmor CMOS 2.1 Megapixel

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.





www.k-array.com Ver. 1.2