iLaser

Technology

The new impression iLaser is based on latest laser technology released in march 2008. This new technology made it possible to integrate four laser sources into an innovative moving head housing with a total whitelight output of 1.2W. The color balance is just 4nm (0.03y) away from the absolute white balance point according to CIEL color palette. Each color source is individually temperature stabilized and adjusted to a specific wavelength.The scanning unit integrated in the head is the fastest and smallest available on the market.

The internal controller with a memory card can be controlled by 16 DMX channels and is capable to store 432 cues in 128MB Flashmemory.

Key Facts

Smallest and lightest moving lasersystem with integrated controller available worldwide
Best color balance available with “state of the art” technology
Each system is adjusted to be exact the same in brightness and color fade.
Feedback corrected power stabilization (color remains the same after years)
Unique temperature stabilizing system on each laser diode.
Long life time through driving the diodes below specification (>15.000h)
Wide temperature range: 0°C – 45°C
Lowest power consumption
Wide input range: 90-260Vac

Technical data

Laser class:	4
Laser technology:	solid state
Red:	636nm
Green:	532nm
Blue:	446nm
Divergency:	0.8mrad
Beam diameter:	2.2mm
Max. output at laser source:	1500mW
Max. output at laser aperture:	1200mW
Controller:	Pangolin compatible playback system
Scanning unit:	CT 6210H Cambridge technology
Scanspeed controller:	30kps
Scanspeed Scanning unit:	60kps
Scanning angle:	50° optical
Power consumption:	<100W@230Vac , <110W@110Vac
Approval:	CE , EN 60825-1 classified, EN 60825-2 conform
Movement:	high precision stepping motor control 8 or 16 Bit resolution selectable speed: 660° Pan in 2sec, 300° Tilt in 1sec Position Feedback
Safety Issues	Installation height: > 3mtr. Emergency stop switch to cut the mains to the laser Keyswitch (at emergency stop, will be provided) No movement with beams below 3mtr.

powered by impression