MAC Axiom Hybrid

The MAC Axiom™ Hybrid is a true all-in-one product, combining beam and spot into one compact unit that also offers diffused wash functionality. The high-precision optical system offers exceptional contrast, both in mid-air and projection as well as a surprisingly flat field, usually not seen with this short-arc lamp technology. The implementation of the MAC Viper CMY color palette gives designers the advantage of unlimited choice from subtle pastel shades to deep and saturated colors. All this comes in a small footprint and lightweight product which delivers superior performance in the best feature vs. size and weight ratio available in the market.

All-in-one product – packed with effects

Tight and narrow beam - amazing intensity

MAC Viper color palette - superior CMY color mixing

GALLERY

FEATURES

- Zoom: 2-44° (continuous, no Beam/Spot modes)
- 16 000 lumens wide / 14 000 lumens narrow
- 31 000 000 cd high-intensity narrow beam
- Low weight: 24.8 kg / 54.7 lbs.
- Very compact
- Real CMYC color mixing (MAC Viper color palette)
- Independent 16-slot color wheel
- Two gobo wheels (9 rot. & 16 stat.) with super-crisp projection and high contrast on surfaces and in mid-air
- Animation effects integrated into fixed gobo wheel
- Independent 3- and 8-facet prisms with unique patented dynamic 'prism lineator' zoom effect
- Beamsmoother (for flat field projection)
- Frost (for wash effect)
- Backlit LCD onboard display with auto-flip
- PowerCon TRUE1 mains input connector
- 5-pin XLR DMX connectors
- RDM functionality
- 100-240 V operation, 600 W total power consumption

TECHNICAL SPECIFICATIONS

Physical
Length (base): 399 mm (15.8 ins.)
Width (across yoke): 414 mm (16.3 ins.)
Height (head straight up): 616 mm (24.3 ins.)
Height (maximum): 630 mm (24.9 ins.)
Weight: 24.8 kg (54.7 lbs.)

Dynamic Effects

Color mixing: CMYC (MAC Viper color palette), independently variable 0 - 100%
Color wheel: 16 dichroic filters + open, indexing, continuous rotation, random color
Rotating gobo wheel: 9 interchangeable rotating gobos + open, gobo indexing, continuous rotation and shake
Fixed gobo wheel: 16 static gobos + open, gobo animation effect
Prism 1: 3-facet rotating prism with dynamic prism zoom effect ("prism lineator")
Prism 2: 8-facet rotating prism with dynamic prism zoom effect ("prism lineator")
Frost filter for wash effect
Beamsmoother for flat field projection
Mechanical dimmer/shutter: 0 - 100% dimming, strobe effect 2 - 10 Hz, pulse effects, instant open and blackout
Focus: 2 m (6.6 ft.) to infinity
Zoom: 2° - 44° continuous (no Beam or Spot modes)
Pan: 540°
Tilt: 260°
Position correction system: Absolute position monitoring

Control and Programming
Control platform: DMX and RDM
DMX channels: 23
Configuration and addressing: Onboard control panel or via DMX
16-bit control: Focus, pan and tilt
Onboard display panel: Backlit LCD with auto-flip
DMX compliance: USITT DMX512-A
RDM compliance: ANSI/ESTA E1.20
Receiver: Isolated RS-485
Firmware update: Windows PC and USB-DMX hardware interface

Lamp
Type: 440 W short-arc discharge
Color temperature: 7000 K
CRI (Color rendering index): >80
Average lifetime: 1500 hours
Approved lamp: Osram Sirius HRI 440 W

Service Utilities
Fixture identification: User-settable fixture ID number

Construction
Color(s): Black
Housing: Alloy, steel, UV-resistant fiber-reinforced composite
Reflector: Glass, cold light
Protection rating: IP20

Installation
Mounting points: Four quarter-turn locking points
Orientation: Any
Minimum distance to illuminated surfaces: 15 m (49.3 ft.)
Minimum distance to combustible materials: 0.2 m (0.7 ft.)

Connections
AC power input: Neutrik PowerCon TRUE1
DMX and RDM data in/out: 5-pin locking XLR

Electrical
AC power: 100-240 V nominal, 50/60 Hz
Typical power consumption: 600 W
Power supply unit: Auto-ranging electronic switch-mode

Typical Power and Current
110 V, 60 Hz: 5.5 A, 600 W, PF > 0.9 typical
230 V, 50 Hz: 2.7 A, 600 W, PF > 0.9 typical

Thermal
Cooling: Filtered forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Maximum surface temperature, steady state, at 40° C ambient: 90° C (194° F)
Total heat dissipation (calculated, +/- 10% at 230 V, 50 Hz): 2050 BTU/hr

Approvals
EU safety: EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC: EN 55015; EN 55032; EN 55103-1,-2; EN 61000-3-2,-3; EN 61000-4-2, -4, -5; EN 61547
US safety: UL 1573
US EMC: CFR 47 Part 15 Class A
Canadian safety: CSA C22.2 No. 166
Canadian EMC: ICES-003 Class A
Australia/NZ (pending): RCM

Included Items
Two mounting brackets with quarter-turn fasteners
SIP foam flight case inlay

Accessories
Flightcase (air) for 2 x MAC Axiom Hybrid: P/N 91515037

Power cables
Power input cable, H07RN-F, 2.5 mm2, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91611797
Power input cable, H07RN-F, 2.5 mm2, 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786

Power connectors
Cable connector, Neutrik PowerCON TRUE1 NAC3FX-W (female): P/N 91611789

Installation hardware
Half-coupler clamp: P/N 91602005
G-clamp (suspension with yoke vertically downwards only): P/N 91602003
Quick-trigger clamp (suspension with yoke vertically downwards only): P/N 91602007

Related Items
Martin M-PC Pro-64 / LJ-4 Controller kit: P/N 90737060

Ordering Information
MAC Axiom™ Hybrid in cardboard box: P/N 90490000