ROBE lighting s.r.o., Hazovice 2090
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iProMotion™

Elevate your bar, club, stage, or retail promotions to new heights with the cutting edge Robe iProMotion™ IP65 rated moving head effects and video projector.

Light source

High power RGB LED engine, Full HD resolution

Light output

comparable with 5000 lumen lamp projectors

Zoom range

17° (throw ratio 3.5:1) or 26° (throw ratio 2.3:1 wide lens option)

Effects

digital gobo wheel, effect wheel, videos, in-air effects, live input

The sleek and compact iProMotion™ projector delivers a vibrant output of 1.000 ANSI Lumens using its enduring 20.000 hour LED source. With advanced RGB and CMY colour mixing capabilities, colour temperature control, digital gobos, graphic effects, and video projection, the possibilities are limitless - rain or shine!

Empowering creativity, iProMotion™ allows seamless uploads of custom artwork, photos, and videos, with live streaming input from external HD multimedia interfaces. Its 32 GB high-speed internal memory provides plenty of storage. As you would expect the iProMotion™ ensures precise control over projection including keystone, iris, grey box, and motorized focus adjustments.

Choose from four combinations – 16 x 9 Landscape or 9 x 16 Portrait formats, and 17-degrees or 26-degree beam angle lenses. For clarity and focus, the optional ADM™ Automatic Distance Meter ensures sharp projection without manual intervention.

Remote content management, with NAS client automatic content synchronization, and a real-time clock enable stop and start time of content, even in stand-alone operation.

Our innovative ingress protection system, featuring patented RAINS™ technology, actively regulates humidity, temperature, and pressure within the fixture, guaranteeing optimal performance. parCOAT™ lens coating technology ensures crisp projection regardless of weather conditions, with its oleophobic and hydrophobic repelling properties.

Crafted to endure extreme conditions, the iProMotion™ boasts POLAR+™ technology, enabling operation in temperatures as low as minus 50 degrees Celsius, perfect for outdoor applications in the harshest environments.

Weighing just 21 kg with its lightweight magnesium alloy construction and featuring network integration capability with CRMX wireless DMX control, the iProMotion™ sets a new standard for outdoor moving head projection and effects, delivering unmatched performance, resilience, and adaptability. Experience the future of visual innovation with iProMotion™.

iSeries – Robe reliability in all weathers.

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Technical Specification

Source

- Light source type: RGB LED device
- Lifetime:
  - 20.000 hours
  - Eco mode: extended life time of LED source

Projector specification

- Light output: 1000 ANSI lumens (Comparable with 5000 Lumen lamp projectors)
- Projector version:
  - Landscape
  - Portrait
- Aspect ratio: 16:9 / 9:16
- Resolution: 1920 x 1080 / 1080 x 1920
- Beam angle: 17° or 26°
- Contrast ratio: 500:1
- Throw ratio: 3.5:1
- Display colours: 16.7 million colours
- Optional wide lens: 26°
- Throw ratio wide lens: 2.3:1

Main features

- Colour mixing mode RGB/CMY
- White light: Variable CCT 3.200K - 9.500K
- Colour effect wheel with wide range of in-built effects (colour transitions and cross-fades, multiple colour images, rainbow effects)
- Digital gobo wheel 1: with standard gobos, images and videos
- Digital gobo wheel 2: with user´s gobos, images and videos
- Gobo rotation and indexing
- Video on/off and speed control
- Effect wheel with wide range of graphic effects (Kaleidoscopic effect, fish eye, iris, zoom, swirl effect, pixelation effect, cross-stitching, posterization, and more…)
- Effect speed control
- Horizontal/Vertical keystoning
- ADM™ Automatic distance meter: On request
- Keystoning:
  - Internal: XY-axis AutoKeystoning or corner keystoning
  - External: Vertical keystoning
- Grey box correction
- Motorised focus
- Dimmer: 0 - 100%
- Pre-programmed random strobe & pulse effects
- POLAR+™ for power saving and instant operation in extremely cold weather conditions
- Real Time Streaming Protocol (RTSP)

Control and programming

- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding, NFC app controller
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- REAP™ - Robe Ethernet Access Portal
- Epass™: Ethernet pass through switch which sustains Ethernet integrity, when the fixture has no power, to automatically maintain network connectivity
- RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance
- Wireless CRMX™ technology from Lumen Radio
- DMX Protocol modes: 2
- Control channels: 25, 33
- RTC (real-time clock): built-in device to keep track of actual time in order to start and stop playback at given time
- Stand-alone operation

Content management

- Remote content management
- Internal storage: high speed internal memory for user content – 32 GB
- NAS client: automatic content synchronization tool

Movement

- Pan movement: 540°
- Tilt movement: 250°
- Movement control: Standard and Speed
- Controllable speed of Pan & Tilt movement
- Automatic Pan & Tilt position correction
- MAPS™ - Motionless absolute positioning system for Pan and Tilt (Patented)

Optical system

- parCoat™ (particle resistant coating) unique hydrophobic and oleophobic coating helps prevent water, dirt, dust, haze and smoke from adhering to the output lens

Hardware

- Raspberry Pi, Model 3, 1GB

Operating system

- Linux OS

Thermal specification

- Maximum ambient temperature: 50°C (122°F)
- Maximum surface temperature: 80°C (176°F)
- Minimum operating temperature: -50°C (-58°F)

Electrical specification and connections

- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz
- Power consumption: 140 W
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- USB-C connector for uploading content
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in/out: IP65 RJ45 for Embedded Epass™ switch 10/100 Mbps
- External video input 1x High Definition Multimedia Interface IP66 - Optional product variant

Approvals

- CE Compliant
- cETLus Compliant

Mechanical specification

- Height: 649mm (25.55") - Head in vertical position
- Width: 390 mm (15.35")
- Depth: 235mm (9.25") - Head in vertical position
- Weight: 21.3 kg (46.9 lbs)
- Ingress protection rating: IP65

Rigging

- Mounting points: 1 pair of 1/4-turn locks
- 1x Omega adaptor with 1/4-turn quick locks
- Universal operating position
- Safety cable attachment point

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Included items

- User Manual
- Omega Adaptor CL-regular: 2 pcs 10980033
- Power cord including powerCON TRUE1 In connector:
  - US:13052277-01
  - EU:13052276-01

Optional accessories

- Doughty Trigger Clamp: 17030386
- Safety wire 36 kg: 99011963
- Ceiling mounting kit for Robin iProMotion black: 10981015
- Single Top Loader Case: 10120355
- Dual Top Loader Case: 10120356
- Quad Top Loader Case: 10120357
- Foam Shell: 20020465

Legal

- iProMotion™ is a Trademark of Robe lighting s. r. o.
- iProMotion™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents