

ipro **MOTION**™

portrait / landscape

ROBE®

iproMOTION™

HIGH
POWER
LED
SOURCE

EASY
CONTENT
MANAGEMENT

DIGITAL
GOBO & EFFECT
WHEELS

EMBEDDED
MICRO-MEDIA
SERVER

iproMOTION™

FULL
HD
RESOLUTION

EASY TO
CONTROL- ONLY
25 DMX
CHANNELS



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.

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 two projection formats – 16 x 9 Landscape or 9 x 16 Portrait – to suit your artistic vision. The beam angle is 17-degrees, with an optional 26-degree lens available. 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.



Source

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

Projector Specification

- Light output: 1.000 ANSI Lumens (Comparable with 5.000 Lumen lamp projectors)
- Projector version: Landscape & Portrait
- Aspect ratio: 16:9 / 9:16
- Resolution: 1.920 x 1.080 / 1.080 x 1.920
- Beam angle: 17°
- 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 keystoneing
- ADM™ Automatic distance meter: On request
- 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 connector in/out: Neutrik powerCON TRUE1 in/out
- Power consumption: 140 W
- USB-C connector for uploading content
- Power connector in/out: Neutrik powerCON TRUE1 in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Ethernet port in/out: IP65 RJ45 for Embedded Epass™ switch 10/100 Mbps

Approvals

- CE Compliant
- cETLus Compliant

Mechanical Specification

- Height: 649 mm (25.55") - Head in vertical position
- Width: 390 mm (15.35")
- Depth: 235 mm (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
- Omega adaptor with 1/4-turn quick locks
- Universal operating position
- Safety cable attachment point

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
- Single Top Loader Case: 10120355
- Dual Top Loader Case: 10120356
- Ceiling mounting kit for iProMotion black: 10981015
- 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

Gobo Transition

Simple to use preprogrammed automatic gobo transition can easily be selected. Automatic transition feature can be combined with gobo auto playback for super quick setup.



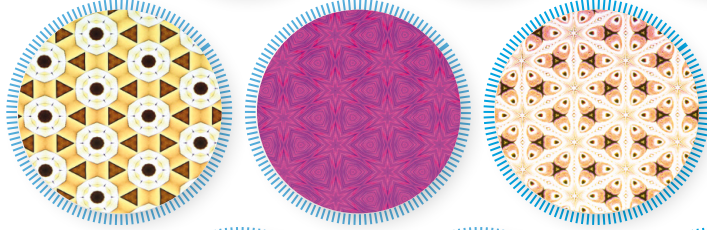
Mid-Air Effects

The iProMotion™ internal effect engine can generate spectacular mid-air animations with colourful laser like beams.



Kaleidoscopic Effects

The Kaleidoscopic effects allow the user to generate many new and appealing graphical effects from the current content.



Colour Modifying

Colour modification has never been easier. By applying colour filters, colour keying or masking effects one can achieve quick and powerful colour transitions.



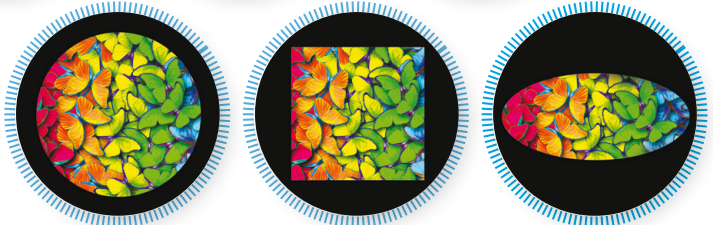
Picture & Movie

The iProMotion™ micro-media server supports MPEG4 and H264 video formats as well as JPEG image files (max. 1.920 x 1.080 pixel). Includes factory media content and custom artwork. Still photographs and video can also be simply uploaded for projection.



Digi Iris

Digi Iris is a flexible masking tool that changes the shape of the image or video. Various shapes are available as well as hard/soft edge iris types.



Grey Box Correction

This effect allows you to trim digital black edges when using a gobo projection or other non-fullscreen content.



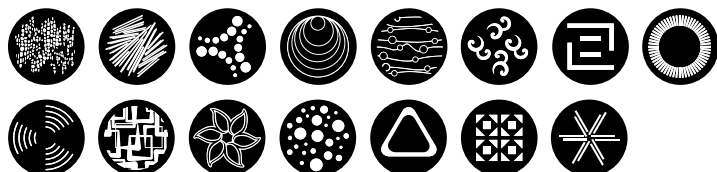
Keystoning

iProMotion™ provides a full set of keystone parameters. Picture distortion can be corrected in X and Y directions. Special Auto Keystoning feature can correct the image during pan and tilt movement.



Digital Gobo Wheel

Standard digital gobo wheel contains 100 images, 100 videos and 50 black and white gobos, while the user's digital gobo wheel is supplied with just examples of images and videos of various different applications.



Examples of in-built digital content iProMotion™ portrait



Examples of in-built digital content iProMotion™ landscape



Automatic Distance Meter

ADM™ (Automatic Distance Meter) is a unique technology based on an invisible spectrum source of light and set of sensors, to provide very precise distance information.

This technology works perfectly with almost every possible surface, and helps the operator to maintain a sharp projection during dynamic pan and tilt movement.

Autofocusing in real time is now a feature bringing iProMotion™ to an even higher technological level.



Remote Content Management

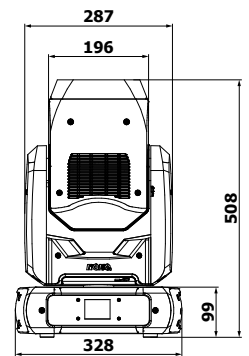
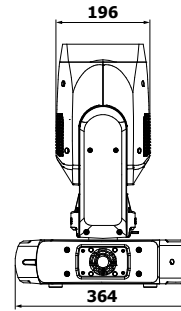
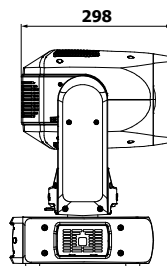
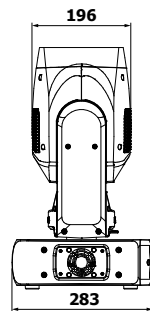
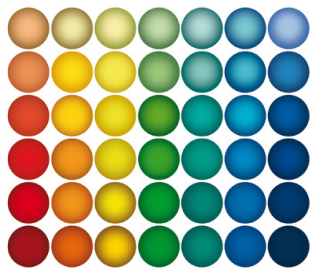
Remote Content Management allows custom media content to be easily managed in large number of iProMotion™ devices simultaneously, and remotely, without the need for anyone to be present. This is an ideal solution for retail applications where content can be regularly updated in a chain of stores, shopping centers, car showrooms, bowling centers, sports facilities, restaurants, bars and clubs.

The Management system works from any desktop or mobile platform simply by using a web browser, either via wired Ethernet network or by utilizing wireless Access Point, built directly into iProMotion™. RCM provides facilities for uploading, viewing and removal of content media files. Automatic synchronization of content ensures content consistency across the fleet of devices, and has been designed to allow for the addition of further devices to the installation, without the need to perform any further content management.



LED colours

RGB LED source is able to produce 16.7 million colours.



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www.robe.cz



Head office: ROBE lighting s. r. o. | Házovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic

Factory: ROBE lighting s. r. o. | Palackého 416 | 757 01 Valašské Meziříčí | Czech Republic

Tel.: +420 571 751 500 | E-mail: robe@robe.cz

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