

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.

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™.



KEY FEATURES

Light source

High power RGB LED engine
Full HD resolution

Light output

Comparable with 5000 ANSI lumen lamp projectors

Zoom range

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

Effects

Digital gobo wheel
Effect wheel
Videos
In-air effects
Live input

STANDARD & SPECIFICATION

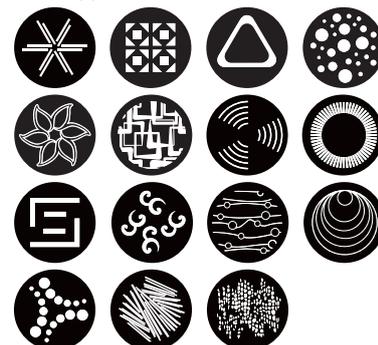


CONTROL & PROTOCOLS



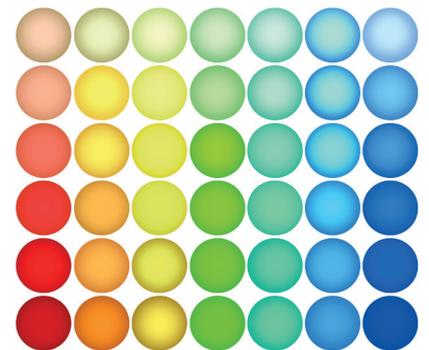
OPTIC OPTIONS

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.

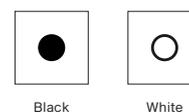


OPTIC OPTIONS

LED colours RGB LED source is able to produce 16.7 million colours.



FINISH OPTIONS



Black

White

OPTIC OPTIONS

Colour Modifying

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



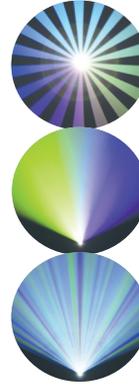
Gobo Transition

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



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.



Picture & Movie

The IProMotion™ micro-media server supports MPEG4 and H264 video formats as well as JPEG image files (max. 1920 x 1080 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.



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.

SPECIFICATION

SOURCE	Light Source Type	RGB LED device	
	Lifetime	20.000 hours	Eco mode: extended life time of LED source
PROJECTOR SPECIFICATIONS	Light Output	1000 ANSI lumens (Comparable with 5000 ANSI lumen lamp projectors)	
	Projector version	Landscape Portrait	
	Aspect Ratio	16:9 9:16	
	Resolution	1920 x 1080 1080 x 1920	
	Beam Angle	17°	
	Throw Ratio	3.5:1	
	Contrast Ratio	500:1	
	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	
	Keystoning	Horizontal / Vertical	
	ADM™ Automatic distance meter	Upon Request	
		Grey box correction	
		Motorized 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 & 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	
	WiFi	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	

SPECIFICATION

		Remote content management
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	Max. ambient temperature	50°C (122°F)
	Max. surface temperature	80°C (176°F)
	Max. operating temperature	-50°C (-58°F)
ELETRICAL SPECIFICATION & 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
	DMX & RDM data in/out	Locking 5-pin XLR
	Ethernet port in/out	RJ45 for Embedded Epass™ switch 10/100 Mbps
CERTIFICATION	Listings	ETL/cETL, CE
PHYSICAL	Width x Height x Depth	390 x 649 x 235 mm / 15.35 x 25.55 x 9.25 in. (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
INCLUDED ITEMS		User Manual
		Omega Adaptor CL-regular
		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
LEGAL		Foam Shell: 20020465
		ProMotion™ is a Trademark of Robe lighting s. r. o. ProMotion™ is patented by Robe lighting s. r. o. and protected by one or more pending or issued patents

DIMENSIONS

