Aputure

INFINIMAT 1x2 Kit Data Book

Main Features

- **Modular Full-Color RGBWW** LED Mats with **Inflatable Softboxes**
- 400W Power Supply
- Lamp Heads Designed With 1x2 Modules to Allow for **Easy Module Replacements**
- **Power and Control Multiple INFINIMATS** Using a Single Control Box
- **AC Power Passthrough** Enables Multiple 400W Power Supplies to Be **Daisy Chained** Via Neutrik PowerCon Cables
- INFINIMAT 400W Control Box Features **Dual V Mount Battery Mounts for Mobile Power**
- **Head-to-Toe IP65** Dust & Water-Resistant Rating for Lamp Head and Control Box
- **Inflatable Softbox Provides Structural Suppor**t for Lamp Head, Diffusion, Light Control Grid, and Light Control Skirt
- **Automatic Pressure Release Valves** on Inflatable Softbox to Prevent Overfilling of Air
- **Included Air Bag Repair Patches** to Ensure Continued Operation of Softbox Even When Punctured
- **Included Light Control Grid** and **Light Control Skirt**
- >90% of Colors Within **Rec.2020 Color Space**
- **Fully Tunable CCT** from 2,000K to 10,000K
- Fully-Tunable **Green-Magenta Adjustment**
- **0.1-100% Stepless** Brightness Control – with Improved Low-End Dimming
- **Advanced HSI** with White Point CCT Control
- **Industry-standard xy** (CIE 1931), RGB, Light Source, & 300+ Gel Presets
- **Multiple Control Methods:** Sidus Link App Control, LumenRadio CRMX, Art-net & sACN via etherCON, 16-bit 5-Pin DMX512 In & Out
- **2 Output Modes:** Max & Constant

Product Description

The Aputure INFINIMATs is a family of full-color RGBWW pixelated LED light mats with inflatable softboxes. With multiple mat size options, head-to-toe IP65 weather resistance, and the ability to power and control multiple light mats using a single control box, the INFINIMAT family is an adaptable system of lights that are easily deployable in challenging filming environments where fixture weight and set up speed are of the utmost importance.

Each INFINIMAT is designed to seamlessly secure to an inflatable softbox of corresponding size using a hook-and-loop system around the border of the mats. The inflated softbox provides the structural support needed to hold the mat, lighting control grid, and skirt together when the entire unit is rigged overhead or on stands.

Each INFINIMAT also features multiple rigging methods. From a carbon fiber support bracket with a new K-Mount ball head terminating in an extended, knurled baby pin or a TVMP mount, to butterfly, Speed-Rail, and truss frames, all INFINIMATs can be rigged or supported using various methods. Coupled with multiple INFINIMAT sizes to choose from and the ability to stack mats together to create custom soft light source sizes, the INFINIMATs are one of the most versatile fixture families on the market.

Depending on the size of the INFINIMAT, users will have two control box options to choose from: a 400W or 1600W control box. Both control boxes can simultaneously power and control multiple lights at a time with power consumption levels up to the wattage of the control box. This improves cable management workflows as well as reduces the weight and complexity of rigged lighting set ups that call for multiple INFINIMATs. In addition, the 400W control boxes have AC power passthrough, which allow users to daisy chain multiple 400W control boxes together using Neutrik PowerCon cables. This AC power pass through feature further improves the cable management experience of running multiple INFINIMATs as users will only need to run one stinger to an entire array of INFINIMATs.

The INFINIMAT's full-color LED chipset is capable of expanded color controls across its wide 2,000K to 10,000K CCT range with green-magenta adjustment and >90% coverage of colors within the Rec. 2020 color space.

Designed for professional motion picture production, the INFINIMATs feature advanced connectivity options (including Sidus Link app control, LumenRadio CRMX, Art-net & sACN via etherCON, and 16-bit DMX512). And with their rugged IP65 dust and weather-resistant construction, the INFINIMATS can withstand the most demanding filming environments without compromising its performance or reliability.

Target Audience

The INFINIMATs are ideal for professional lighting technicians and filmmakers who need the most adaptable and brightest full-color LED mat with high rigging versatility and industry-leading color quality.

Professionals working on set will appreciate the cable management efficiency forethought found on the INFINIMATs. With the ability to power multiple lamp heads using a single control box along with AC power passthrough on the 400W control box, users will find managing multiple sets of AC power and head cable to be a much more efficient experience.

Lighting technicians who work in challenging shooting environments where weather resistance and fixture weight are critical decision-making factors will enjoy working with the INFINIMATs' head-to-toe IP65 rating and lightweight nature. With the added benefit of being stackable into custom light source dimensions, the INFINIMATs fill the role of an adaptable, highly maneuverable, and rugged soft light perfectly.

As a family of professional lights, the INFINIMATs can seamlessly sync into existing lighting control workflows with its LumenRadio CRMX, Art-net & sACN via etherCON, and 16-bit DMX512 controls. And with Sidus Link app control, users can easily achieve remote control of INFINIMATs when they are rigged in hard-to-reach places.

From commercials to feature film sets, the IP65-rated INFINIMATs are an industry-leading full-color LED mat family that belong on any professional film production with soft light needs.

INFINIMAT 1x2 kit Photometrics

CCT	Dis.	No Modifier	Inflatable Softbox	Inflatable Softbox + Grid
2,000K	1m	2,650 lux 246 fc	2,135 lux 199 fc	1,595 lux 148 fc
	3m	330 lux 31 fc	226 lux 21 fc	175 lux 16 fc
3,200K	1m	3,210 lux 299 fc	2,573 lux 239 fc	1,939 lux 180 fc
	3m	409 lux 38 fc	273 lux 25 fc	211 lux 20 fc
4,300K	1m	3,360 lux 312 fc	2,657 lux 247 fc	2,004 lux 186 fc
	3m	424 lux 39 fc	281 lux 26 fc	221 lux 21 fc
5,600K	1m	3,590 lux 334 fc	2,895 lux 269 fc	2,183 lux 203 fc
	3m	443 lux 41 fc	319 lux 30 fc	235 lux 22 fc
6,500K	1m	3,530 lux 328 fc	2,852 lux 265 fc	2,152 lux 200 fc
	3m	450 lux 42 fc	302 lux 28 fc	233 lux 22 fc
10,000K	1m	3,230 lux 300 fc	2,620 lux 244 fc	1,974 lux 184 fc
	3m	407 lux 38 fc	275 lux 26 fc	212 lux 20 fc

What's in the Box

Name	Qty
Carrying Case for INFINIMAT & Softbox Pack	1
Aputure INFINIMAT 1x2	1
Aputure INFINIMAT 7.5m Head Cable (400W)	1
Aputure INFINIMAT Mounting Bracket 1x2	1
Aputure K-Mount Arm w/ Straight 5/8" Pin	1
Aputure INFINIMAT Inflatable Softbox 1x2	1
Aputure INFINIMAT Light Control Skirt 1x2	1
Aputure INFINIMAT Light Control Grid 1x2	1
Aputure INFINIMAT Patch Kit	1
Aputure INFINIMAT Air Pump Mini	1
Carrying Case for Control Box 400w Pack	1
Aputure INFINIMAT Control Box 400W (V or Gold Mount)	1
Aputure True1 AC Power Cable – 6m	1
Aputure K-Mount Style Mounting Clamp	1

INFINIMAT 1x2 Specifications

CCT		2,000K – 10,000K
CRI		≥96
TLCI		≥97
CQS		≥95
SSI (Tungsten)		84
SSI (D56)		73
TM-30 RF (Average)		92
TM-30 RG (Average)		100
Max Power Consumption		111W
Max Power Output		81W
Weather Resistance Rating		IP65
Pixel Count		1 pixels
Pixel Module		1x2
Softbox Inflation Time (Air Pump Mini)		18 sec
Full-Inflation Duration		7 days
Operating Voltage	DC1 & DC2	12V-16.8V 22V-33.6V
	AC	100V ~ 264V
Operating Temperature		-20ºC ~ 50ºC
Storage Temperature		-20ºC ~ 85ºC
Control Methods		On-board, Sidus Link App, DMX/RDM, CRMX, etherCON
Firmware Upgradeable		Sidus Link, USB Drive
Wireless Range (Bluetooth & CRMX)		≤100m / ≤328.1ft
Control Box Type		INFINIMAT Control Box 400W
Control Box Fan Noise Levels	High Speed Mode	29.3 dBA
	Medium Speed Mode	24.7 dBA
Weight	INFINIMAT 1x2	1.00kg / 2.2lbs
	INFINIMAT Air Pump Mini	0.24kg / 0.53lbs
	Control Box 400W	7.2kg / 15.87lbs
	Inflatable Softbox 1x2	0.54kg / 1.19lbs
	Light Control Skirt 1x2	0.49kg / 1.07lbs
	Light Control Grid 1x2	0.46kg / 1.01lbs
	Carrying Case (INFINIMAT & Softbox Pack 1x2)	4kg / 8.82lbs
	Carrying Case (Control Box 400W Pack)	2.9kg / 6.39lbs
Dimensions	INFINIMAT 1x2	66.00 x 34.00cm 2.17 x 1.12ft
	INFINIMAT Air Pump Mini	3.60 x 11.40 x 12.60cm 1.42 x 4.49 x 4.96in
	Control Box 400W	33.50 x 22.00 x 24.00cm 13.19 x 8.66 x 9.45in
	Inflatable Softbox 1x2	66.00 x 34.00 x 17.00cm 2.17 x 1.12 x 0.56ft
	Light Control Skirt 1x2	190.00 x 49.00cm 74.80 x 19.29in
	Light Control Grid 1x2	60.00 x 38.00cm 1.97 x 1.25ft
	Carrying Case (INFINIMAT & Softbox Pack 1x2)	76.50 x 47.00 x 26.00cm 30.11 x 18.50 x 10.23in
	Carrying Case (Control Box 400W Pack)	43.50 x 39.50 x 31.40cm 17.13 x 15.55 x 12.36in

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Sales & Shipping Information

Shipping Information for Kit								
Product Name	SKU	EAN	Dimension	Netweight	Gross weight	Carton Quantity	Packing Dimension	HS-code / Taric code
INFINIMAT 1x2 Kit (UK)	AP10039AR1				/			
INFINIMAT & Softbox Pack 1x2 (UK)		6971842189991	73.5x44.5x20cm	12kg	11kg	1	45x42.5x32.4cm	9405499000
INFINIMAT Control Box 400w Kit (UK)		6971842189748	54.5x44x37cm	11.6kg	12.6kg	1	78x27.4x48.8cm	8537109090
INFINIMAT 1x2 Kit (EU)	AP10039AR3				/			
INFINIMAT & Softbox Pack 1x2 (EU)		6971842189991	73.5x44.5x20cm	12kg	11kg	1	45x42.5x32.4cm	9405499000
INFINIMAT Control Box 400w Kit (EU)		6971842189762	54.5x44x37cm	11.6kg	12.6kg	1	78x27.4x48.8cm	8537109090