



INFINIMAT 4x4 Kit Data Book

Main Features

- **Modular Full-Color RGBWW LED Mat with Inflatable Softbox**
- 1600W Power Supply
- Lamp Heads Designed With 2x2 Modules to Allow for **Easy Module Replacements**
- **Power and Control Multiple INFINIMATS** Using a Single Control Box (400W and 1600W Control Boxes Available)
- INFINIMAT 1600W Control Box **Supports Battery Operation** via Dual 48V DC Inputs
- **Head-to-Toe IP65** Dust & Water-Resistant Rating for Lamp Head and Control Box
- **Inflatable Softbox Provides Structural Support** 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 4x4 kit Photometrics

CCT	Dis.	No Modifier	Inflatable Softbox	Inflatable Softbox + Grid
2,000K	1m	15,630 lux 1,454 fc	12,020 lux 1,118 fc	7,380 lux 686 fc
	3m	2,330 lux 217 fc	1,785 lux 166 fc	1,509 lux 140 fc
3,200K	1m	19,100 lux 1,776 fc	14,600 lux 1,358 fc	8,730 lux 812 fc
	3m	2,822 lux 262 fc	2,164 lux 201 fc	1,816 lux 168 fc
4,300K	1m	20,070 lux 1,867 fc	15,400 lux 1,432 fc	9,210 lux 857 fc
	3m	2,968 lux 276 fc	2,286 lux 213 fc	1,914 lux 178 fc
5,600K	1m	21,500 lux 2,000 fc	16,520 lux 1,536 fc	9,910 lux 922 fc
	3m	3,170 lux 295 fc	2,453 lux 228 fc	2,059 lux 191 fc
6,500K	1m	20,990 lux 1,952 fc	16,130 lux 1,500 fc	9,660 lux 898 fc
	3m	3,100 lux 288 fc	2,395 lux 223 fc	2,009 lux 187 fc
10,000K	1m	19,440 lux 1,808 fc	15,010 lux 1,396 fc	8,990 lux 836 fc
	3m	3,100 lux 288 fc	2,395 lux 223 fc	2,009 lux 187 fc

What's in the Box

Name	Qty
Rolling Case for INFINIMAT & Softbox Pack 4x4	1
Aputure INFINIMAT 4x4	1
Aputure INFINIMAT 7.5m Head Cable (1600W)	1
Aputure INFINIMAT Mounting Bracket 4x4	1
Aputure K-Mount w/ TVMP Spigot Curved Arm	1
Aputure INFINIMAT Inflatable Softbox 4x4	1
Aputure INFINIMAT Light Control Skirt 4x4	1
Aputure INFINIMAT Light Control Grid 4x4	1
Aputure INFINIMAT Patch Kit	1
Aputure INFINIMAT Air Pump Mini	1
Aputure INFINIMAT Cushion 4x4	1
Rolling Case for Control Box 1600W Pack	1
Aputure INFINIMAT Control Box 1600W	1
AC Cable – 1600W	1
Safety Rope (1.3m)	1

INFINIMAT 4x4 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	800W	
Max Power Output	640W	
Weather Resistance Rating	IP65	
Pixel Count	4 pixels	
Pixel Module	2x2	
Softbox Inflation Time (Air Pump Mini)	1 min 50 sec	
Softbox Inflation Time (Air Pump Max)	17 sec	
Full-Inflation Duration	7 days	
Operating Voltage	DC1 & DC2	12V-16.8V 22V-33.6V
	AC	100V ~ 264V
Operating Temperature	-20°C ~ 50°C	
Storage Temperature	-20°C ~ 85°C	
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 1600W	
Control Box Fan Noise Levels	High Speed Mode	35.9 dBA
	Medium Speed Mode	35.3 dBA
Weight	INFINIMAT 4x4	8.36kg / 18.43lbs
	INFINIMAT Air Pump Mini	240g / 0.53lbs
	Control Box	19.38kg / 42.73lbs
	Inflatable Softbox 4x4	1.97kg / 4.34lbs
	Light Control Skirt 4x4	1.15Kg / 2.53lbs
	Light Control Grid 4x4	1.25Kg / 2.75lbs
Dimensions	Rolling Case	17kg / 37.48lbs
	INFINIMAT 4x4	121.00 x 121.00cm 3.97 x 3.97ft
	INFINIMAT Air Pump Mini	3.60 x 11.40 x 12.60cm 1.42 x 4.49 x 4.96in
	Control Box	27.3 x 26.2 x 55.0cm 10.75 x 10.31 x 21.65in
	Inflatable Softbox 4x4	121.00 x 121.00 x 17.00cm 3.97 x 3.97 x 0.56ft
	Light Control Skirt 4x4	120.00cm x 120.00cm 47.24 x 47.24in
	Light Control Grid 4x4	117.00cm x 117.00cm 3.84 x 3.84ft
	Lamp Head Flight Case	85.30 x 73.40 x 36.80cm 33.58 x 28.89 x 14.49in
	1600W Control Box Case	68.0 x 45.0 40.7cm 26.8 x 17.7 x 16.0in



Sales & Shipping Information

Shipping Information for Kit								
Product Name	SKU	EAN	Dimension	Netweight	Gross weight	Carton Quantity	Packing Dimension	HS-code / Taric code
INFINIMAT 4x4 Kit (UK)	AP50039AR6							
INFINIMAT & Softbox Pack 4x4 (UK)		6971842189915	88x76x37cm	37.8kg	39.5Kg	1	1 91x79.5x39.8cm	9405499000
INFINIMAT Control Box 1600w Kit (UK)		6971842189809	67x42.5x40cm	26.8kg	28.5kg	1	69.5x46.5x42.5cm	8537109090
INFINIMAT 4x4 Kit (EU)	AP50039AR8							
INFINIMAT & Softbox Pack 4x4 (EU)		6971842189915	88x76x37cm	37.8kg	39.5Kg	1	1 91x79.5x39.8cm	9405499000
INFINIMAT Control Box 1600w Kit (EU)		6971842189823	67x42.5x40cm	26.8kg	28.5kg	1	69.5x46.5x42.5cm	8537109090