



INFINIMAT 20x20 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 20x20 Kit Photometrics

CCT	Dis.	No Modifier	Inflatable Softbox	Inflatable Softbox + Grid
2,000K	5m	/	3,910 lux 364 fc	2,047 lux 190 fc
	7m	/	1,995 lux 186 fc	1,044 lux 97 fc
	9m	/	1,207 lux 112 fc	632 lux 59 fc
3,200K	5m	/	5,070 lux 472 fc	3,090 lux 287 fc
	7m	/	2,587 lux 241 fc	1,577 lux 147 fc
	9m	/	1,565 lux 146 fc	954 lux 89 fc
4,300K	5m	/	5,240 lux 487 fc	3,250 lux 302 fc
	7m	/	2,673 lux 249 fc	1,658 lux 154 fc
	9m	/	1,617 lux 150 fc	1,003 lux 93 fc
5,600K	5m	/	5,490 lux 511 fc	3,610 lux 336 fc
	7m	/	2,801 lux 260 fc	1,842 lux 171 fc
	9m	/	1,694 lux 158 fc	1,114 lux 104 fc
6,500k	5m	/	5,680 lux 528 fc	3,760 lux 350 fc
	7m	/	2,898 lux 270 fc	1,918 lux 178 fc
	9m	/	1,753 lux 163 fc	1,160 lux 108 fc
10,000K	5m	/	5,070 lux 472 fc	3,430 lux 319 fc
	7m	/	2,587 lux 241 fc	1,750 lux 163 fc
	9m	/	1,565 lux 146 fc	1,059 lux 98 fc

What's in the Box

Name	Qty
Flight Case for INFINIMAT & Softbox Pack 8x8	4
Aputure INFINIMAT 8x8	4
Aputure INFINIMAT 15m Head Cable (1600W)	4
Aputure INFINIMAT Inflatable Softbox 8x8	4
Aputure INFINIMAT Light Control Skirt 8x8	4
Aputure INFINIMAT Patch Kit	4
Aputure INFINIMAT Air Pump Max	4
Aputure INFINIMAT Cushion 8x8	4
Rolling Case for Control Box 1600w Pack	4
Aputure INFINIMAT Control Box 1600W	4
AC Cable - 1600W	4
Safety Rope (1.3m)	4
Carrying Case for Control Grid 8x8	4
Aputure INFINIMAT Light Control Grid 8x8	4
Flight Case for INFINIMAT Softbox Pack 20x20	1
Aputure INFINIMAT Inflatable Softbox 20x20	1
Aputure INFINIMAT Light Control Skirt 20x20	1
Aputure INFINIMAT Light Control Grid 20x20	1
Aputure INFINIMAT Cushion 20x20	1

INFINIMAT 20x20 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	7,680W	
Max Power Output	6,400W	
Weather Resistance Rating	IP65	
Pixel Count	64 pixels	
Pixel Module	2x2	
Softbox Inflation Time (Air Pump Max)	20 mins	
Full-Inflation Duration	1 day	
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	4x INFINIMAT Control Box 1600W	
Control Box Fan Noise Levels	High Speed Mode	35.9 dBA
	Medium Speed Mode	35.3 dBA
Weight	4x INFINIMAT 8x8	4* 32kg / 70.55lbs
	INFINIMAT Air Pump Max	3.75kg / 8.27lbs
	Control Box	19.38kg / 42.73lbs
	Inflatable Softbox 20x20	30kg / 83.73lbs
	Light Control Skirt 20x20	12.15kg / 26.79lbs
	Light Control Grid 20x20	6.15kg / 13.56lbs
	Lamp Head Flight Case	40.00kg / 88.18lbs
Airbag Flight Case	50.00kg / 110.23lbs	
Dimensions	4x INFINIMAT 8x8	4* 239 x 239 cm 4* 7.84 x 7.84 ft
	INFINIMAT Air Pump Max	34.8 x 17.8 x 17.8cm 13.7 x 7.0 x 7.0in
	Control Box	27.3 x 26.2 x 55.0cm 10.75 x 10.31 x 21.65in
	Inflatable Softbox 20x20	580.00 x 580.00 x 37.00cm 19.03 x 19.03 x 1.21ft
	Light Control Skirt 20x20	573.00cm x 573.00cm 225.60 x 225.60in
	Light Control Grid 20x20	590.00cm x 590.00cm 19.36 x 19.36ft
	Airbag Flight Case	86.00 x 65.00 x 80.00cm 33.86 x 25.60 x 31.50in
	Lamp Head Flight Case	73.00 x 65.00 x 73.00cm 28.74 x 25.60 x 28.74in
	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 20x20 Kit (UK)	AP80039AR1				/			
INFINIMAT 20x20 Kit (EU)	AP80039AR4				/			