

Overview

ARCHER RGB 40000 is a low cost full-color laser projector, which could meet your requirement for most Mega-scale outdoor laser shows and installations.

Its new module technology gives it the capability of maintenance free for the RGB alignment.



Front Panel



Rear Panel

ARCHER RGB 40000 has 3 sub-models to fit the needs of different power range and budget.



ARCHER RGB 20000



ARCHER RGB 30000



ARCHER RGB 40000

Specifications

Spec Power @ Light source

	<u>ARCHER RGB 20000</u>	<u>ARCHER RGB 30000</u>	<u>ARCHER RGB 40000</u>
R	6000 mw@638nm	8000 mw@638nm	10000 mw@638nm
G	6000 mW@520nm	10000 mW@520nm	13500 mW@520nm
B	8000 mW@450nm	12000 mW@450nm	16500 mW@450nm

Beam Profile

	<u>ARCHER RGB 20000</u>	<u>ARCHER RGB 30000</u>	<u>ARCHER RGB 40000</u>
Beam Diameter (Projector Window) :	6.0mm * 7.5mm	6.0mm * 7.5mm	7.5mm * 8.5mm
Divergence (Full angle) :	< 1.3mrad	< 1.3mrad	< 1.5mrad
Modulation :	Analog 50KHZ	Analog 50KHZ	Analog 50KHZ
Laser Class :	Class IV	Class IV	Class IV

Scanner

Galvo :	30kpps @ 8° ILDA test pattern
Scan Angle :	60° Max

Interfaces & Controls

Control :	ILDA in (Differential), ILDA out
Safety :	Key Switch, FDA Scan-safe Switch
Remote Interlock :	5 pins XLR
Scan Image Invert :	Invert-X, Invert-Y, Rotate 90°
Color adjustment :	Intensity R, G, B (0-100%)
Mains :	Neutrik PowerCon®

Optional Components

Embedded Controller :	Pangolin FB4 (upon request)
Scanner :	EMS 9000 35Kpps digital scanner (54°Max Angle)

Thermal Control

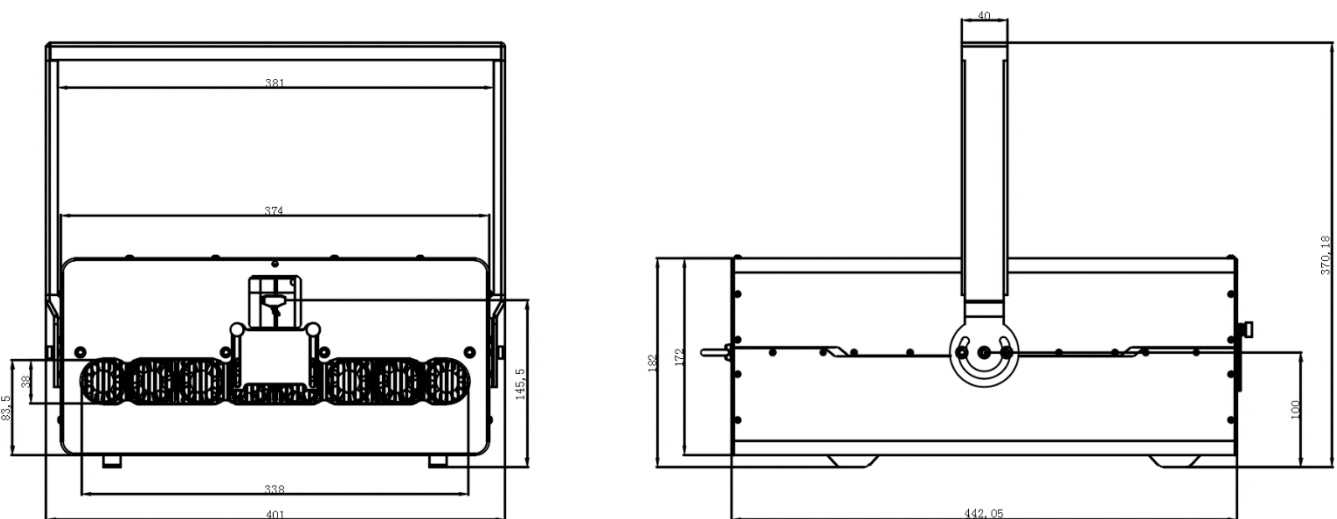
Cooling :	Active Cooling/heating by TEC Peltier Elements
Ventilation :	40mm Low noise thermal-controlled fan * 8

Electric

Operating Voltage :	AC 110V-240V
Power Consumption :	850W Max

Physical

L* W * H :	442mm* 374mm* 182mm (Without Yoke)
Weight :	28kg (Without Yoke)
Housing Materials :	Black Anodized Aluminum
IP grade :	IP52
Packaging :	Flight case



Compliance

Compliance	FDA/CDRH, CE
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Warranty

Warranty	24 months parts and labor
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* The above specifications subject to change without prior notice