

Unity ELITE 20 PRO FB4 (IP65)

PRODUCT SPECIFICATION SHEET



THE BASICS

Brighter, bolder, better... and now IP65-rated! Designed for lighting professionals working in large-scale stadiums, arenas, and outdoor environments, the Elite PRO FB4 (IP65) combines more advanced laser diode sources, optics, and XY scanning technology. Compared to conventional lasers on the market, it offers brighter, more vivid effects, higher-resolution images, and a wider projection coverage. It now features standard IP65 weatherproof housings, ideal for the most demanding applications and conditions.

CONTROL

Unity Elite PRO FB4 (IP65) lasers are integrated with our FB4 hardware, allowing you to control these lasers from a lighting console or PC and in stand-alone "auto" mode. Additionally, the lasers support all major lighting protocols (DMX, ArtNET, sACN, timecode, and more), so you can easily integrate them into any advanced multimedia show workflow. Multiple lasers can also easily be connected (over ethernet, ArtNET, or DMX), so you can run synchronized multi-projector shows easily. Additionally, the lasers feature an integrated network switch for faster deployment of multiple laser systems.

FUNCTIONALITY

Unity IP65 lasers feature proper IP65 weatherproof housings for use in any environment. All systems use the latest laser diode technology, boasting a stunning white balance and a uniform beam profile even with long-distance projections. The advanced laser diode drivers offer excellent analogue modulation with perfectly smooth fade-in and fade-out effects. The high-speed XY scanning systems allow you to project more complex atmospheric effects and higher-resolution laser graphics, text, logos, and mapping sequences.

SAFETY

We equip the Elite PRO FB4 (IP65) with the very latest in laser safety features (including e-stop and interlock with manual reset, emission delay, mechanical shutter, and masking plate). Convenient external adjustments are also provided natively on the lasers through the FB4 digital display, offering tools to adjust size, position, rotation, colors, geometric correction, and more. Additionally, the lasers feature ethernet in and out, power in, DMX in/out, and Estop in/out connectivity.

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SPECIFICATIONS

Source | Type:

Semiconductor laser diode | Full-colour RGB laser projector

Suitability:

Lighting professionals: arena sized venues (up to 30,000 people), outdoor shows. Beam show, text, graphic, and mapping capable

System control:

Pangolin FB4 DMX [Ethernet, ArtNet, DMX, sACN | PC, Lighting Console, Auto Mode, Mobile App: Apple, Android]

Compliant with:

Fully complies with the latest EN 60825-1 and FDA regulations

Weight [kg]:

15.5kg

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