

Stage Laser Specification Sheet | Global Tour Version

1. Product Overview

This professional RGB laser system is designed for global concerts, music festivals and touring stage performances. It integrates lightweight design, rapid installation, high operational stability and full international safety compliance, perfectly adapting to tight load-in schedules and complex outdoor touring environments. It is a standard equipment for global stage rental companies and professional lighting designers.

Application Scenarios: Stadium tours, indoor theatres, outdoor festivals, commercial resident shows, multi-city global touring events



Product HD Shot

2. Core Touring Advantages

Core Features	Details
Lightweight Design	≤10.5kg per unit, supports single-person carrying and installation, reduces touring labor and logistics costs
All-weather Adaptability	IP65 dustproof and waterproof, stable operation in -10℃ to +45℃ indoor and outdoor complex environments
Fast Deployment	SafeMount™ quick-lock structure with secondary safety bond, full installation completed within 30 minutes
High Operational Stability	Industrial temperature control & anti-vibration optical structure, zero failure for continuous high-intensity touring performances
Global Compliance	Compliant with FDA, CE, FCC, RoHS standards, available for event approval in Europe, America, Middle East and Southeast Asia

name: Lumi Deng

Phone/Whatsapp/Wechat: +86 13414288613

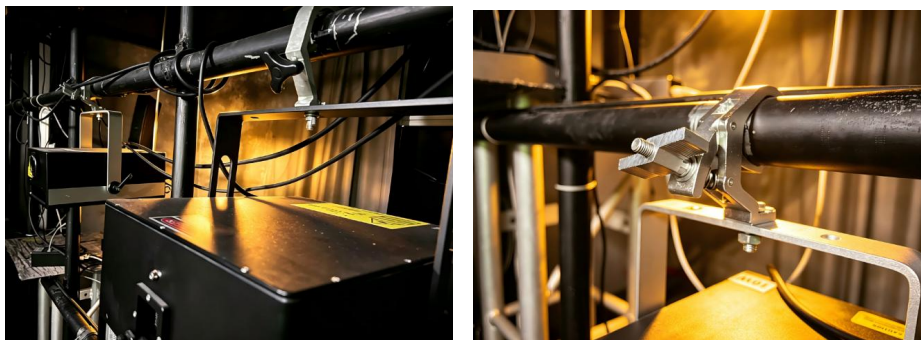
E-mail: sales1@darktone.com



Touring Stage

3. Full Technical Specifications

Item	Parameters
Laser Type	RGB full-color solid-state laser
Optional Power	10W / 20W / 30W / 40W / 60W
Color Performance	High-purity & high-gamut color, suitable for stage HD shooting and recording
Beam Performance	Narrow professional beam, clear long-distance aerial projection without divergence
Scanning System	High-precision galvo scanner, smooth motion; supports beam effects, patterns, text & 3D animation
Net Weight	≤10.5kg
IP Rating	IP65 (dustproof & waterproof)
Working Temperature	-10℃ ~ +45℃
Structural Design	Reinforced shockproof body, anti-vibration for long-distance touring transportation
Mounting System	SafeMount™ one-click locking with secondary safety protection



Installation Detail Shot

4. Control & Synchronization Parameters

Control Item	Support Details
Hardware Protocol	DMX512 / RDM / ILDA
Network Protocol	Art-Net / sACN (E1.31)
Timecode Sync	SMPTE LTC & network timecode synchronization
Console Compatibility	MA2 / Avolites / Hog 4 mainstream stage consoles
Smart System Function	Pangolin Pro: CAD previsualization, auto safety zone calculation, remote diagnosis, OTA upgrade, touring effect templates



Pangolin Software Interface

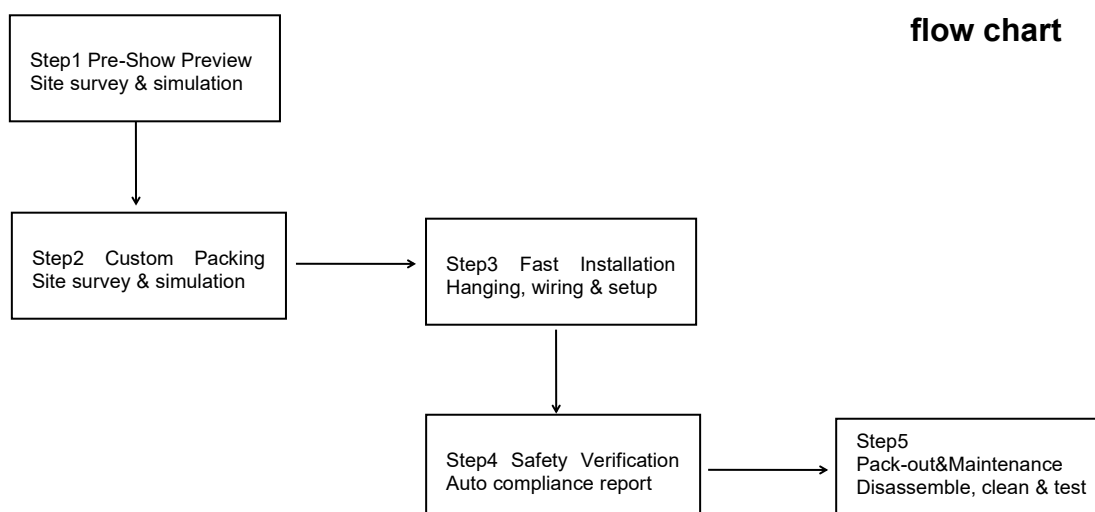
5. Safety & Compliance Specification

Safety Item	Standard & Configuration
Safety Standard	Fully compliant with IEC 60825 international laser safety regulations
Safety Mechanism	Hardware key switch, emergency stop button, safety interlock protection system
Official Certifications	CE, FDA, FCC, RoHS full set of certifications
Compliance Documents	Global approval package, NOHD calculation report, beam path drawings for 50+ countries

6. Standard 5-Step Tour Deployment Process

Professional streamlined workflow for high-efficiency global tour load-in and pack-out:

- Pre-Show Preview:** Remote site survey & effect simulation via professional software
- Custom Packing:** Tour-based flight case packing with standardized accessory labeling
- Fast Installation:** AR visual guidance for quick hanging, wiring and address configuration
- Safety Verification:** Auto-generate local compliance reports for on-site safety inspection
- Pack-out & Maintenance:** Fast disassembly, professional cleaning, full function test and equipment status filing



7. AERIAL KIT™ Touring Package

- Complete standardized touring accessory set, compatible with international standard trusses, clamps and cables
- Fully compatible with mainstream stage lighting brands: Robe, Chauvet and more
- Custom flight case packaging, suitable for global logistics and repeated touring use



Packaging Image

8. Global Technical Support

- 48-hour global emergency technical response service
- Remote equipment diagnosis, effect debugging and program customization support
- Free touring effect templates, cue lists, show files and professional tutorial resources

9. Product Summary

This stage laser is professionally customized for high-frequency global touring scenarios. It achieves lightweight body, ultra-fast installation, ultra-high operational stability and full global compliance, effectively reducing touring failure risks and operation costs. It fully meets the strict performance and safety standards of international rental companies and professional touring lighting teams.