

# Clubmax 24 FB4 IP65 jp

## PRODUCT SPECIFICATION SHEET

---



ロングセラーのClubmax FB4レーザープロジェクターの高出力モデルをさらに改良するため、筐体を再設計し、ヘビーデュティ仕様にしました！

これにより、以前よりもはるかに頑丈で、100%防水（IP65規格認証）を実現しました。

イベントでの急な雨や湿気の多い環境でも安心して使用できるため、プロダクションチームは心配や養生なく作業に集中できます。

KVANT Lasersの最新技術とスマート機能を搭載したこのプロジェクターは、市場で最高のレーザープロフェッショナル向け機材であることは間違いありません。

このモデルには、迅速かつ簡単なビーム調整を可能にするモーター駆動のダイクロイックフィルターが工場出荷時に装備されています。さらに、Saturn5 48kppsスキャナーを搭載したバージョンもご用意しています。

パワフル。頑丈。多用途。

### SPECIFICATIONS

Source | Type: Semiconductor laser diode | Full-colour RGB laser projector

Suitability: Large-scale indoor and large outdoor laser displays [atmospheric, abstract, text, animations]

System control: FB4-SK [Ethernet, ArtNet, DMX | PC, Lighting Console or Autoplay]

Compliant with: EN 60825-1 [tested by TÜV SÜD], FDA

Weight [kg]: 19.5

Size [WxHxD, mm]: 265 x 179 x 395

Guaranteed opt. output: 22 watts

Installed modules R | G | B [W]: 6 | 8 | 10 \*note A

Wavelengths [nm, ±5nm]: 638 | 525 | 455

Beam size [mm]: 5x7

Beam divergence [mrad]: 1.1 [full angle, averaged value, \*note B]

Analogue modulation [kHz]: 100

X-Y scanners: 30 kpps @ 8°, max. scanning angle 50° on both axes [More options in the UPGRADES section of this page]

Power requirements [V] | Input: 100-240/50-60Hz | Neutrik powerCON TRUE1

Max. power consumption [VA]: 1200

Operation temperature [°C]: 5-28 [-20 to +35 when installed in Monsoon protection enclosure with AC unit]

Included in the set: Heavy-duty flight case, 1.5M AC power cable, 10M Ethernet rj45 signal cable, E-STOP Remote with 10M 3-pin XLR cable, Set of 4 safety keys, Interlock bypass dongle [supplied for the USA only], USB memory stick with the user

manual, QC certificate.

Pangolin QuickShow laser control and creation software is available for FREE download.

HW features:

Inbuilt 4-way aperture masking plate.

All the basic system settings and adjustments such as power output adjustment for each colour, X & Y axes invert, X & Y size and position, etc. are managed via the built-in FB4 control interface.

Scanning system overload protection.

Laser safety features:

Keyed interlock, emission delay, magnetic interlock, scan-fail safety, fast electromechanical shutter [reaction time <20ms], adjustable aperture masking plate, Emergency STOP system with keyed remote and manual RESTART button.

note A

Due to Advanced Optical Correction technology used in Kvant systems, the real power output of each laser module installed within the system may slightly differ from its specification. This doesn't affect the total guaranteed power output of the system.

note B

The beam divergence total is calculated as an average arithmetic value of all individual colours. The divergence of each colour is calculated as:

1. FWHM of the beam cross-section for round beams, or
2. The arithmetic average of the beam's horizontal and vertical divergence for all rectangular beams.