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红外精确反射定位系统 「IR-PRS」

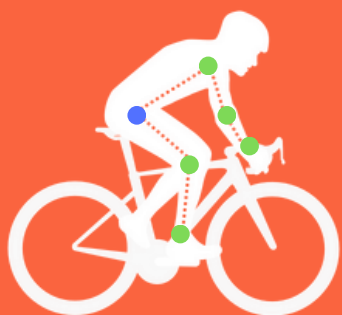
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技术简介

自研专业级高速RGBD相机方案

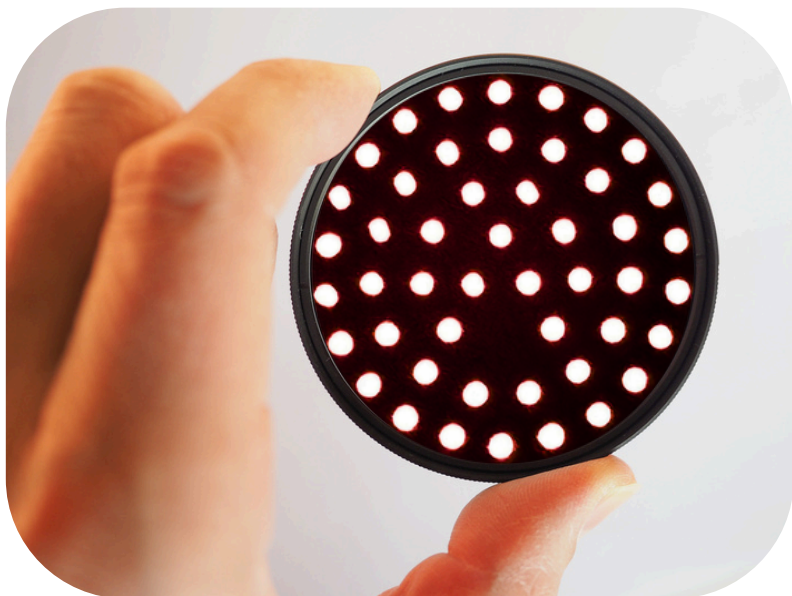
我们自主研发的高速RGBD相机，采样率高达每秒**180次**，是市面主流方案的**6倍**，能精准捕捉骑行者每一个细微动作变化。

- 激光点阵深度测距：采用高精度激光点阵技术，实现毫米级深度测量，有效捕捉骑行姿态的微妙变化。
- 高稳定性双目结构：内置专业双目传感器，交叉立体捕捉结构确保数据的高度稳定和一致性，避免单一视角的偏差，为BikeFitting提供更精准的评估。

依托自主研发捕捉方案卓越的数据采集能力，我们的Fitting系统能够为骑行者提供前所未有的精准动态分析，帮助骑行者达到最佳状态。



专业级48点阵红外补光模组



配备专业级**48点阵**红外补光灯模组，确保在任何光线环境下均能获得清晰、稳定的深度图像，显著提升测距性能及数据精确度。

双屏激光投线水平仪与多功能云台支架



通过配备双屏**激光投线水平仪**及多功能**云台支架**，便于精确校准相机与Fitting车之间的前后及左右位置，保障数据采集的精准度与一致性。

更亲民的价格

我们的使命是“让天下没有难做的Fitting”，打破传统厂商昂贵方案的垄断，提供性能卓越且价格亲民的解决方案，推动BikeFitting的普及化。

产品套装包含（售价：¥15,999）

- 180帧双目高速RGBD相机 × 1
- 48点阵红外补光灯 × 1
- 双屏激光投线水平仪 × 1
- 三维多功能云台支架 × 1
- 铝合金收纳箱 × 1
- 5米USB3.2线缆 × 1
- USB3.2 A转C口转换器 × 1
- USB阵列补光灯电源 × 1
- 光学定位红外动捕反光球 × 8
- 运动肌肉贴卷 × 2卷
- 自粘魔术贴 × 2卷
- 线下1v1Fitter培训*2天
- 软件技术服务 × 1年
- 后续服务（可选，三选一）：
 - 按次支付技术服务费 ¥699/12次
 - 按年支付技术服务费 ¥2000/年
 - 一次性永久买断 ¥8000

Infrared Precision Reflective Positioning System (IR-PRS)

Proprietary Professional High-Speed RGBD Camera

Our proprietary high-speed RGBD camera achieves an impressive sampling rate of up to 180 frames per second—six times higher than mainstream solutions—enabling precise capture of subtle rider movements.

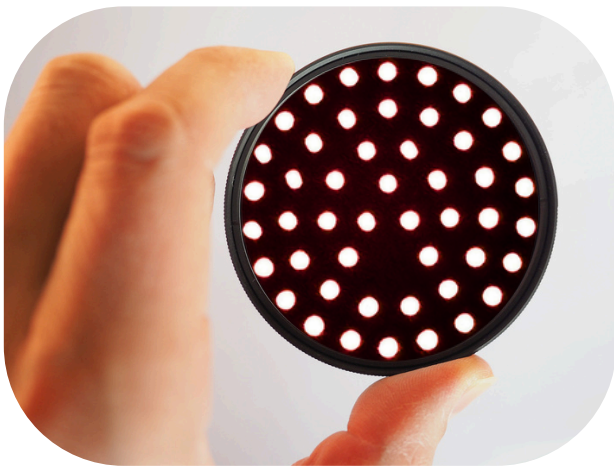
- **Laser Dot Array Depth Measurement:** Utilizing high-precision laser dot array technology, our camera achieves millimeter-level depth measurement accuracy, capturing even the most subtle changes in riding posture.
- **High Stability Dual-Stereo Structure:** Equipped with a professional dual-stereo sensor and cross-stereoscopic capture structure, it ensures high data stability and consistency, effectively avoiding single-view errors, and providing more accurate assessments for BikeFitting.

Leveraging the powerful data acquisition capabilities of our self-developed camera, our BikeFitting system provides riders with unprecedented precise dynamic analysis, helping them achieve optimal riding performance.



Professional 48-Point Infrared Fill-Light Module

Our system includes a professional-grade 48-point infrared fill-light module, ensuring clear and stable depth images under all lighting conditions. This significantly enhances measurement performance and data accuracy, especially in low-light conditions.



Dual-Screen Laser Level and Multi-Functional Gimbal Mount

The inclusion of a dual-screen laser level and multi-functional gimbal mount simplifies the precise calibration of the camera and fitting bike alignment, ensuring high accuracy and consistency in data collection.

More Affordable Pricing

Our mission is "making BikeFitting accessible for everyone." By breaking the monopoly of traditional costly solutions, we offer superior performance at more affordable prices, promoting the popularization of BikeFitting.

Package Includes (Price: ¥15,999)

- 180 FPS stereo high-speed RGB-D camera × 1
- 48-LED infrared fill-light array × 1
- Dual-plane laser line level × 1
- 3D multi-functional pan-tilt mount × 1
- Aluminum-alloy storage case × 1
- 5 m USB 3.2 cable × 1
- USB 3.2 Type-A to Type-C adapter × 1
- Power supply for USB array fill light × 1
- Optical-tracking infrared motion-capture reflective markers × 8
- Sports kinesiology tape rolls × 2
- Self-adhesive Velcro tape rolls × 2
- One-on-one online technician training (5 sessions)
- Software technical service (1 year)
- Subsequent service (optional, choose one):
- Pay-per-use technical support: ¥699 / 12 sessions
- Annual technical support: ¥2 000 / year
- One-time perpetual license: ¥8 000