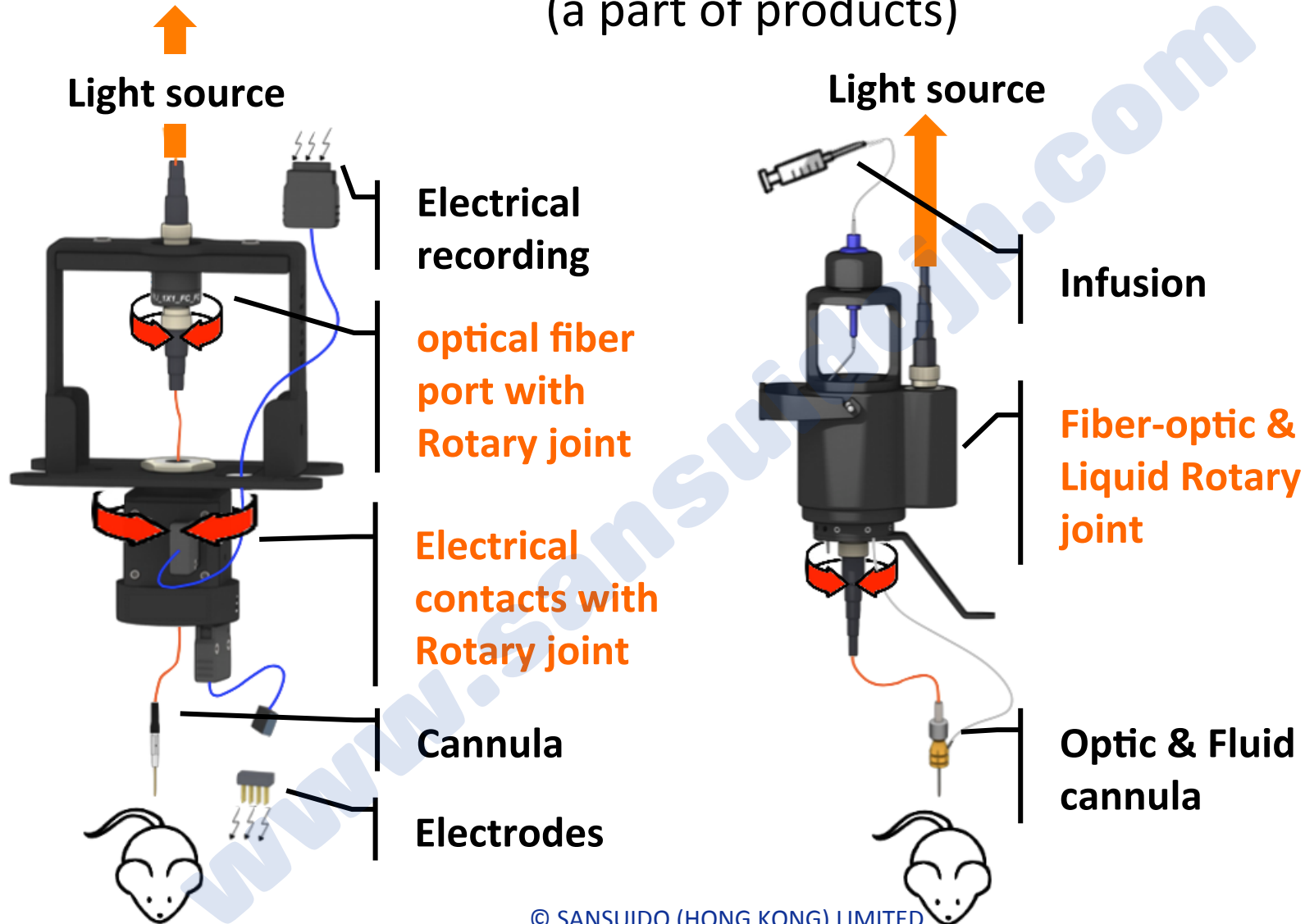


How to decrease cannulas and lines from laboratory animals

- 1. **Hybrid** rotary joints
- 2. **Multi task** cannulas
- 3. **Dual-channel** IR signal **wire-less** optical stimulation system

1. Hybrid rotary joints

(a part of products)



2. Multi task cannulas

(a part of products)

Dual Fiber-optic Cannula



These cannulas are perfectly suited for **a bilateral brain stimulation or silencing.**

Two Ferrule Cannula



These cannulas are perfectly suited for the applications where **two brain centers are optically stimulated or controlled.**

Fiber-optic Array Cannula



The optogenetics experiments that **target multiple excitation sites**, require cannulas with multiple fibers arranged within an fiber array.

Optic & Fluid Cannula



Experiments **require the introduction of the virus born proteins** like ChR2 to targeted cells or neurons and the illumination of the same through the fiber optic tip.

Optic & Electric Cannula



When chronically implanted in freely moving animal, this cannula enables optical and electrical contact with specific neurons or other tissue.

Optical & Micro-sampling Probe



A better **understanding of molecular interactions within the brain**, requires spatial and temporal precision when stimulating and sampling the brain areas.

3. Dual-channel IR signal wire-less optical stimulation system

(a part of products)

